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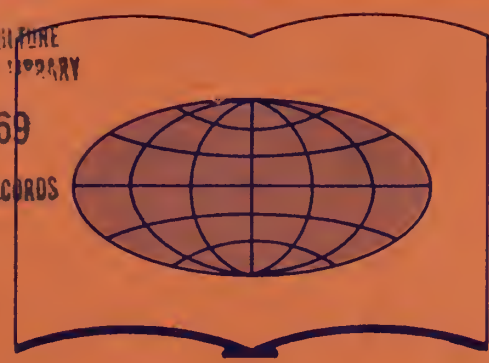
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Pesticides DOCUMENTATION BULLETIN

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Volume 5
July 4, 1969

Number 14



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U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

329829

Volume 5
July 4, 1969
Number 14

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

- Compound Tested
- Company furnishing the compound
- Author or Investigator
- Test Sponsor
- Date
- Location
- Mode of Application
- Rates of Application
- Soil Types
- Carriers
- Crops or Weeds tested with phytotoxicity ratings
- Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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ENTOMOLOGY

8020-69

THE SELECTIVE CONTROL OF SIMULIUM LARVAE BY PARTICULATE INSECTICIDES AND ITS SIGNIFICANCE IN RIVER MANAGEMENT.

W E Kershaw T R Williams S Frost R E Matchett M L Mills

Roy Soc Trop Med Hyg Trans 62(1):35-40

1968 448.9 R813

Chemical control (pests), Chlorinated hydrocarbons, DDT, Insecticides, Larvae, Simulium.

SYSTEMATICS

8021-69

OBSERVATIONS ON BRACHYPTERISM IN ENCYRTUS RUFULUS MERCET (HYM. CHALCIDOIDEA, ENCYRTIDAE). (FR)

C Benassy A Panis

Entomophaga 13(2):135-141

1968 421 EN835

Encyrtidae, Insect taxonomy, Statistical analysis. English abstract.

8022-69

A NEW MYTHIMNA O. FROM EAST TURKEY (CONTRIBUTION TO THE KNOWLEDGE OF NOCTUIDAE TRIFINAE 152). (GE)

C Boursin

Wien Entomol Ges Z 78(9-10):90-91

15 Dec 1967 421 OS7

Insect taxonomy, Noctuidae.

8023-69

THE TYPE MATERIAL OF PIERIS NAPI PSEUDORAPAE VERITY.

S R Bowden N D Riley

Redia (SER 2)50:379-380

1967 421 R241

Insect taxonomy, *Pieris napi pseudorapae*. Italian summary.

8024-69

THREE NEW SPECIES OF SUBGENUS PARASECIA LOOMIS (GENUS FONSECIA) FROM NORTHEASTERN BRAZIL AND A KEY TO THE INCLUDED SPECIES (ACARINA: TROMBICULIDAE).

J M Brennan

J Parasitol 55(3):662-666

Jun 1969 448.8 J824

Insect taxonomy, Trombiculidae, Zoogeography.

8025-69

NEW LAMIIDS FROM THE STOCK OF THE STATE ZOOLOGICAL COLLECTION IN MUNICH (COLEOPTERA, CERAMBYCIDAE). (GE)

S von Brcuning

Opusc Zool (103):1-2

15 Dec 1968 410 OP7

Cerambycidae, Insect taxonomy.

8026-69

A NEW SPECIES OF TETRASTICHUS HALIDAY, 1844 (HYMENOPTERA: EULOPHIDAE) PARASITIC NYMPHS OF PAYROCEPHALA CALODENDRI MORAN (HOMOPTERA: PSYLLIDAE).

D J Brothers V. C. Moran

Roy Entomol Soc London Proc Ser B Taxonom

38(3-4):40-46

06 May 1969 420 L84PB

Eulophidae, Insect taxonomy, Predaceous insects, Psyllidae.

8027-69

IXODES HIMALAYENSIS SP. N. (ACARINA: IXODIDAE) PARASITIZING SMALL MAMMALS IN HIMACHAL PRADESH, INDIA.

V Dhanda S M Kulkarni

J Parasitol 55(3):667-672

Jun 1969 448.8 J824

Insect taxonomy, Ixodes, Zoogeography.

8028-69

A NEW GENUS AND SPECIES OF THE FAMILY LENTULIDAE (ORTHOPTERA: ACRIDOIDEA).

V M Dirsh

Roy Entomol Soc London Proc Ser B Taxonom

37(9-10):143-145

22 Nov 1968 420 L84PB

Acrididae, Insect taxonomy, Zoogeography.

8029-69

NOTES ABOUT ANOBIIDAE. XXXI. GENERA OF THE DORCATOMINAE OF THE ETHIOPIAN FAUNA. (SP)

F Espanol

Spain Inst Biol Apl Publ 44:103-136

Jul 1968 442.9 SP13

Anobiidae, Bythostethus, Dorcatomini, Ethiopian Region, Insect taxonomy. French summary. Key to genera included.

8030-69

A REVISION OF IDIOSYSTATUS BERG (HOMOPTERA: FULGOROIDEA, DELPHACIDAE).

R G Fennah

Roy Entomol Soc London Proc Ser B Taxonom

38(3-4):47-52

06 May 1969 420 L84PB

Delphacidae, Insect taxonomy.

8031-69

NOTES ON SOME NEW OR LITTLE KNOWN CHALCIDIDAE (HYM.). (FR)

Ch Ferriere

Schweiz Entomol Ges Mitt 40(3/4):240-248

15 Apr 1968 420 SW6

Anastatus uromeri, Centrodora italica, Chalcididae, Eudecatoma trogocarpi, Eulophidae, Eupelmidae, Eurytomidae, Insect identification, Insect taxonomy, Perilampidae, Philomides hogariensis, Zoogeography.

8032-69

CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS HOLOSTASPELLA BERLESE 1903 (ACARI: MESOSTIGMATA: MACROCHELIDAE). (IT)

A Filippini F Pegazzano

Redia (SER 2)50:219-259 REF

1967 421 R241

Holostaspella, Insect identification, Insect morphology, Macrochelidae, Mesostigmata, Mites. English summary. redescription of *Holostaspella* species in Berlese collection.

8033-69

GENUS OPIUS WESMAEL: NEW REVISION OF THE NEOTROPICAL SPECIES OF THE CRASICEPS GROUP. (GE)

M Fischer

Z Angew Zool 55(4):461-488 REF

1968 449.8 Z36

Insect taxonomy, Opius. English abstract.

8034-69

A NEW PHANEROTOMA SPECIES FROM SYRIA (HYMENOPTERA, BRACONIDAE). (GE)

M Fischer

Entomophaga 13(4):331-334

1968 421 EN835

Braconidae, Insect taxonomy, Phanerotoma. English abstract.

8035-69

THREE NEW SPECIES OF ALEYRODIDAE FROM THE SUDAN (HEMIPTERA-HOMOPTERA).

O I Gameel

Roy Entomol Soc London Proc Ser B Taxonom

37(11-12):149-155

20 Dec 1968 420 L84PB

Aleyrodidae, Insect taxonomy, Pupae.

8036-69

CONTRIBUTION TO THE KNOWLEDGE OF THE CURCULIONIDAE FROM THE WESTERN

MEDITERRANEAN. VI. THE GENUS SEIDLITZIA. (SP)

M Gonzalez

Spain Inst Biol Apl Publ 44:57-63, MAP

Jul 1968 442.9 SP13

Curculionidae, Insect taxonomy, Mediterranean area, Seidlitzia. Spanish and French summaries.

8037-69

ADDITIONS TO THE CYRTOSIINAE (BOMBYLIIDAE) OF SOUTH AFRICA.

A J Hesse

S Afr Mus Ann 50(Pt 6):89-130 REF

Dec 1968 515 SO82

Bombyliidae, Diptera, Insect identification, Insect taxonomy, Zoogeography. 16 new species are described.

8038-69

OBSERVATIONS ON THE TYPE SPECIES OF THE FOUR GENERA OF ICHNEUMONIDAE (HYMENOPTERA). (GE)

K Horstmann

Opusc Zool (102):1-4 REF

15 Dec 1968 410 OP7

Ichneumonidae, Insect taxonomy.

8039-69

REVISION OF SOME SPECIES OF THE GENERA MESOSTENUS GRAVENHORST, AGROTHEREUTES FOERSTER, AND ISCHNUS GRAVENHORST (HYMENOPTERA, ICHNEUMONIDAE). (GE)

K Horstmann

Entomophaga 13(2):121-133 REF

1968 421 EN835

Ichneumonidae, Insect taxonomy. English abstract.

8040-69

ASSESSMENT OF THE FIELD POPULATION OF THE RICE STEM BORER MOTH BY LIGHT TRAP.

H Ishikura

Baltimore, John Hopkins Press. 169-179 REF

1967 SB608.R559

Attractants, Chilo suppressalis, Light traps, Population, Tryporyza incertulas.

8041-69

TAXONOMY OF THE RICE STEM BORERS.

A P Kapur

Baltimore, John Hopkins Press. 3-43 MAP REF

1967 SB608.R559

Insect morphology, Insect taxonomy, Noctuidae, Pyralidae, Rice, Zoogeography.

8042-69

SURVEY AND DISTRIBUTION OF COMMON LADY BEETLES (COL. COCCINELLIDAE) ON DATE PALM TREES IN ISRAEL.

M Kehat

Entomophaga 12(2):119-125

1967 421 EN835

Coccinellidae, Dates, *Parlatoria blanchardii*, Population, Predaceous insects, Surveys, Zoogeography.

8043-69

ICHNEUMONIDAE OF NORTHWEST GERMANY. (II. PART). (GE)

F W Kettner

Hamburg Ver Naturwiss Heimatforsch Verhanol

37:51-90

15 Mar 1967 509 H17V

Hymenoptera, Ichneumonidae, Insect names, Insect taxonomy, Zoogeography.

8044-69

SOME NEW AND LITTLE-KNOWN SPECIES OF PYRGOMORPHIDAE (ORTHOPTERA: ACRIDOIDEA) FROM THE PACIFIC AND FAR EAST.

D K M Kevan

Roy Entomol Soc London Proc Ser B Taxonom

37(11-12):156-162

20 Dec 1968 420 L84PB

Insect taxonomy, Pyrgomorphidae.

8045-69

THE RICE STEM BORER FORECASTING SYSTEM IN TAIWAN.

G T Lew H Y Liu

Baltimore, John Hopkins Press. 195-210 MAP

REF

1967 SB608.R5S9

Insect outbreak forecasting, Insect rearing, Rice, Rice stem borer.

8046-69

A CONTRIBUTION TO THE KNOWLEDGE OF THE SCAPHIDIIDAE AND PSELAPHIDAE OF KOREA (COLEOPTERA). (GE)

I Lobl

Pol Akad Nauk Inst Zool Ann Zool 25(9):419-423

01 Mar 1968 410.9 W26

Insect taxonomy, Pselaphidae, Scaphidiidae. Polish and Russian summary.

8047-69

NOTES ON BRITISH THEREVIDAE (DIPTERA).

L Lyneborg

Roy Entomol Soc London Proc Ser B Taxonom

37(11-12):170-174

20 Dec 1968 420 L84PB

Insect taxonomy, Therevidae, Zoogeography.

8048-69

A NEW GENUS AND SEVERAL NEW SPECIES OF APHID PARASITES (HYM. APHIDIIDAE).

M Mackauer

Entomophaga 12(2):139-147

1967 421 EN835

Aphidiinae, Insect taxonomy, Surveys.

8049-69

THE TYPES OF TABANIDS IN THE ZOOLOGICAL COLLECTION OF THE BAVARIAN STATES IN MUNICH (DIPTERA, TABANIDAE). (GE)

J Moucha

Opusc Zool (101):1-6

15 Dec 1968 410 OP7

Insect taxonomy, Tabanidae, Zoogeography.

8050-69

A NEW SPECIES OF GALL-WASP (HYMENOPTERA: CYNIPIDAE) FROM SCOTLAND.

J Quinlan R R Askew

Roy Entomol Soc London Proc Ser B Taxonom

38(1-2):1-4

18 Mar 1969 420 L84PB

Cynipidae, Insect taxonomy.

8051-69

CYTOTAXONOMY OF APHIDIIDAE.

A G Robinson Y-H Chen

Can J Zool 47(4):511-516 REF

Jul 1969 470 C16D

Aphidiidae, Chromosomes, Cytogenetics, Insect genetics, Insect taxonomy.

8052-69

NEW SPECIES OF THE LASPEYRESIA SUCCEDANA SCHIFF. GROUP (LEP. TORTRICIDAE).

W Sauter

Schweiz Entomol Ges Mitt 40(3/4):226-239

15 Apr 1968 420 SW6

Insect identification, Insect taxonomy, Laspeyresia, Laspeyresia succedana, Tortricidae. 4 other species of Laspeyresia are discussed.

8053-69

THE SYSTEMATIC POSITION OF BRAHMAEA EUROPAEA HARTIG (LEPIDOPTERA BRAHMAEIDAE). (GE)

W Sauter

Schweiz Entomol Ges Mitt 40(1/2):125-129

20 Jul 1967 420 SW6

Acanthobrahmaea, Brahmaea, Brahmaeidae, Insect morphology, Insect taxonomy, Ligustrum, Oleaceae, Plant hosts.

8054-69

EPICHIPTERYX PUSILELLA RBL. BELONGS TO THE GENUS REISSERONIA SIED. (LEPIDOPTERA, PSYCHIDAE). (GE)

L Sieder

Wien Entomol Ges Z 78(9-10):92-94

15 Dec 1967 421 OS7

Insect names, Insect taxonomy, Psychidae.

8055-69

PARAHOLASPIS OVIVORA N. SP. (HYM., TORYMIDAE), A PARASITE OF THE EGGS OF THE BUPRESTID STERAPIS SPECIOSA KLUG.. (FR)

J R Steffan

Entomophaga 12(2):149-152

1967 421 EN835

Insect taxonomy, Predaceous insects, Torymidae. English abstract.

8056-69

TWO NEW CARAMBINAE FOR AUSTRIA METACRAMBUS CARECTELLUS ZELLER IN LOWER AUSTRIA, AND CHRYSOCRAMBUS LINETELLUS FABRICIUS IN KARNTEN. (GE)

O Sterzl

Wien Entomol Ges Z 78(9-10):81-82

15 Dec 1967 421 OS7

Insect taxonomy, Pyralidae, Zoogeography.

8057-69

SPECIES OF LYGUS (HAHN) (HEMIPTERA: MIRIDAE) IN SCOTLAND.

R K Stewart

Roy Entomol Soc London Proc Ser B Taxonom

38(1-2):20-26

18 Mar 1969 420 L84PB

Insect taxonomy, Lygus, Zoogeography.

8058-69

NEW PTEROSTICHINAE (COLEOPT. CARABID.). VIII. (IT)

S L Straneo

Doriana 4(180):10P

20 Sep 1967 410 D73

Carabidae, Insect identification, Insect taxonomy, Zoogeography. English summary.

8059-69

NOTES ON SOME SPECIES OF CAVARIELLA DEL GUERCIO, 1911 (HOMOPTERA: APHIDOIDEA).

H L G Stroyan

Roy Entomol Soc London Proc Ser B Taxonom

38(1-2):7-19 REF

18 Mar 1969 420 L84PB

Aphidiidae, Insect taxonomy.

8060-69

BIOCHEMISTRY AND TAXONOMY.

L H Throckmorton

Annu Rev Entomol 13:99-114 REF

1968 421 AN72

Biochemistry, Deoxyribonucleic acid, Immunochemistry, Methodology, Proteins, Taxonomy.

8061-69

THAENIOTHRIPS VUILLETI BAGNALL 1933 AND THAENIOTHRIPS FALSUS PRIESNER 1936. (GE)

E Titschack

Hamburg Ver Naturwiss Heimatforsch Verhanol

37:1-16

15 Mar 1967 509 H17V

Bibliography, Host indexing (plants), Insect identification, Insect names, Insect physiology, Insect taxonomy, Taeniothrips, Thysanoptera, Zoogeography.

8062-69

INVESTIGATIONS CONCERNING THE TAXONOMY OF GERMAN THYSANOPTERA. 5. THAENIOTRIPS LINARIAE PR. 1928 AND THAENIOTRIPS HILDAE TCK. 1956. (GE)

E Titschack

Hamburg Ver Naturwiss Heimatforsch Verhanol

37:29-37

15 Mar 1967 509 H17V

Insect identification, Insect taxonomy, Taeniothrips, Thysanoptera, Zoogeography.

8063-69

STATISTICAL METHODS IN RICE STEM BORER RESEARCH.

T Torii

Baltimore, John Hopkins Press. 127-167

1967 SB608.R5S9

Chilo suppressalis, Population, Research, Sesamia inferens, Statistical methods, Tryporyza incertulas.

8064-69

DISCOVERY OF THE FEMALE OF PEMPHIGOSTOLA SYNEMONISTIS STRAND, 1909 (LEPIDOPTERA AGARISTIDAE). (FR)

P Viette

Lambillionea 67(1/2):5-7

25 Feb 1968 420 N15

Agaristidae, Insect taxonomy, Pemphigostola synemonistis.

8065-69

A NEW SUBFAMILY OF BLIND BEETLE FROM IDAHO ICE CAVES WITH NOTES ON ITS BIONOMICS AND EVOLUTION (COLEOPTERA: LEIODIDAE).

R L Westcott

Los Angeles County Mus Contrib Sci (141):14P

REF

14 Jun 1968 500 L893

Coleoptera, Insect anatomy, Insect biology, Insect ecology, Insect evolution, Insect taxonomy, Leioididae, Zoogeography.

8066-69

THE OLD WORLD SPECIES OF THE TRIBE TYPOPSILOPINI (DIPTERA: EPHYDRIDAE).

W W Wirth

Roy Entomol Soc London Proc Ser B Taxonom

37(9-10):133-142

22 Nov 1968 420 L84PB

Ephydriidae, Insect taxonomy, Palearctic Region, Zoogeography.

8067-69

A NEW SUBFAMILY OF LYGAEIDAE (HEMIPTERA-HETEROPTERA) FROM AUSTRALIA.

T E Woodward

Roy Entomol Soc London Proc Ser B Taxonom

37(9-10):125-132

22 Nov 1968 420 L84PB

Insect taxonomy, Lygaeidae.

8068-69

A SUMMARY OF THE FORECASTING PROGRAM FOR RICE STEM BORER CONTROL IN JAPAN.

M Yoshimeki

Baltimore, John Hopkins Press. 181-193 MAP

REF

1967 SB608.R5S9

Insect control, Insect outbreak forecasting, Light traps, Rice, Rice stem borer.

8069-69

AZODRIN FOR CORN EARWORM AND FALL ARMYWORM CONTROL AND ITS PERSISTENCE IN SWEET CORN.

J R Young M C Bowman

J Econ Entomol 60(5):1282-1284

Oct 1967 421 J822

Azodrin, Corn, DDT, Heliothis zea, Insecticide residues, Spodoptera, Spodoptera frugiperda.

PHYSIOLOGY AND BIOCHEMISTRY

8070-69

BIOLOGY OF BRACON MELLITOR, A PARASITE OF THE BOLL WEEVIL.

C H Adams W H Cross H C Mitchell

J Econ Entomol 62(4):889-896 REF

15 Aug 1969 421 J822

Anthonomus grandis, Biological control (insects), Bracon mellitor, Cotton, Hibernation, Humidity, Insect behavior, Insect biology, Insect rearing, Longevity, Parasitic insects, Sex behavior, Temperature.

8071-69

CONTROLLING WASPS.

U S D A Home Gard Bull (122):8P

Apr 1969 1 AG84HG

Accident prevention, Bees, Chemical control (insects), Chlordane, Chlorinated hydrocarbons, Cicadidae, DDT, Insect physiology, Insecticides, Polistes, Venoms, Vespidae.

8072-69

A NEW SPECIES OF PSEUDOSCYMNUS CHAPIN (COL., COCCINELLIDAE) PREDACEOUS ON SCALE INSECTS IN WEST PAKISTAN.

R Ahmad

Entomophaga 13(4):377-379

1968 421 EN835

Coccinellidae, Coccoidea, Insect taxonomy, Predaceous insects.

8073-69

ACOUSTICAL COMMUNICATION IN ARTHROPODS.

R D Alexander

Annu Rev Entomol 12:495-526 REF

1967 421 AN72

Bibliography, Insect behavior, Insects, Reviews, Stridulation.

8074-69

EFFECT OF CARBON DIOXIDE ON TOXICITY OF HYDROCYANIC ACID AND METHYL BROMIDE TO ADULTS OF THE CONFUSED FLOUR BEETLE AND GRANARY WEEVIL AT TWO DIFFERENT TEMPERATURES.

M T AliNiazec D L Lindgren

J Econ Entomol 62(4):904-906

15 Aug 1969 421 J822

Carbon dioxide, Chemical control (insects), Dosage, Fumigation, Hydrocyanic acid, Imago, Methyl bromide, Sitophilus granarius, Temperature, Tribolium confusum.

8075-69

PESTICIDE USAGE IN RELATION TO BEEKEEPING.

L D Anderson E L Atkins

Annu Rev Entomol 13:213-238 REF

1968 421 AN72

Apiculture, Attractants, Bactericides, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Fungicides, Herbicides, Insect repellents, Organophosphorus compounds, Pesticide residues, Pesticides, Poisoning, Systemic insecticides.

8076-69

THE OLD HOUSE BORER IN EASTERN STATES.

Anonymous

Pest Contr Oper News 27(10-11,OCT-NOV):22-24

1967 SB951.A1P4

Biological control (insects), Cerambycidae, Chemical control (insects), Chemicals, Chlordane, Chlorinated hydrocarbons, Coleoptera, Dieldrin, DDT, Fumigation, Hylotrupes bajulus, Hymenoptera, Insect behavior, Insect identification, Insect pests, Insect physiology, Insecticide application, Insecticides, Lindane, Parasitic insects, Predaceous insects, Spiders, Wood borers, Zoogeography.

8077-69

AGGREGATION OF DROSOPHILA EMBRYONIC CELLS AND EFFECTS OF PROTEOLYTIC ENZYMES.

R M Antley A S Fox

Genetics 61(2,PT 2,SUPPL):S2

1969 442.8 G28

Drosophila melanogaster, Enzymes, Insect physiology, Proteins, Tissue culture.

8078-69

THE CONNECTIVE TISSUES OF INSECTS.

D E Ashhurst

Annu Rev Entomol 13:45-74 REF

1968 421 AN72

Electron microscopy, Histochemistry, Insect histology, Insect physiology, Insects.

8079-69

HONEY BEE PATHOLOGY.

L Bailey

Annu Rev Entomol 13:191-212 REF

1968 421 AN72

Apis mellifera, Bee diseases, Entomogenous bacteria, Entomogenous fungi, Predaceous mites, Protozoa.

8080-69

INTRAFLORAL ECOLOGY.

H G Baker P D Hurd

Annu Rev Entomol 13:385-414 REF

1968 421 AN72

Animal ecology, Bibliography, Insect ecology, Insect evolution, Plant ecology, Plant taxonomy, Pollination.

8081-69

THE RESPONSE OF A PREDATOR, HYPOASPIS ACULEIFER (CANESTRINI) (ACARINA:LAELAPIDAE), TO TWO SPECIES OF PREY.

P S Barker

Can J Zool 47(3):343-345 REF

May 1969 470 C16D

Feeding, Glycyphagus domesticus, Hypoaspis aculeifer, Insect behavior, Insect physiology, Mites, Oviposition, Predaceous insects, Reproduction, Tyrophagus putrescentiae.

8082-69

INSECT PARASITE COMPLEX BERSEEM ARMYWORM SPODOPTERA EXIGUA (HUBN.) (LEPIDOPTERA, NOCTUIDAE).

M O Bashir T V Venratraman

Entomophaga 13(2):151-158

1968 421 EN835

Braconidae, Eulophidae, Natural control (insects), Population, Predaceous insects, Spodoptera exigua, Surveys, Tachinidae.

8083-69

EFFECTS OF ECDYSONES ON DIAPAUSE IN THE EUROPEAN CORN BORER, OSTRINIA NUBILALIS.

S D Beck J L Shane

J Insect Physiol 15(5):721-730 REF

May 1969 421 J825

Ecdysone, Insect physiology, Larvae, Ostrinia nubilalis.

8084-69

INNERVATION AND NEURAL EXCITATION OF VENTRAL MUSCLE FIBRES OF THE LARVA OF THE WAXMOTH, GALLERIA MELLONELLA.

P Belton

J Insect Physiol 15(5):731-741 REF

May 1969 421 J825

Galleria mellonella, Insect physiology, Larvae, Muscles, Nervous system.

8085-69

EXPERIMENTS ON THE DESCRIPTION OF THE ENVIRONMENTS OF AN INSECT FORM (MODEL AND FIELD EXPERIMENTS WITH DROSOPHILA). (GE)

F Beye

Z Angew Zool 55(4):493-507 REF

1968 449.8 Z36

Drosophila, Insect ecology, Insect rearing.

8086-69

CHANGES IN NITROGENOUS COMPOUNDS DURING THE METAMORPHOSIS OF THE BLOWFLY, LUCILIA CUPRINA.

L M Birt B Christian

J Insect Physiol 15(4):711-719 REF

Apr 1969 421 J825

Calliphoridae, Insect biochemistry, Insect physiology, Metamorphosis, Nitrogen compounds, Phaenicia cuprina.

8087-69

A CONTINUOUSLY RECORDING FLIGHT MILL FOR INVESTIGATING THE EFFECT OF VOLATILE SUBSTANCES ON THE FLIGHT OF TEATHERED INSECTS.

J H Borden R B Bennett

J Econ Entomol 62(4):782-785 REF

15 Aug 1969 421 J822

Attractants, Dairy equipment, Dendroctonus pseudotsugae, Insect behavior, Insect flight, Pheromones, Trypodendron lineatum, Volatile substances.

8088-69

INFLUENCE OF LARVAL POPULATION DENSITY ON THE SIZE OF ADULTS, DURATION OF DEVELOPMENT, AND DIAPAUSE FREQUENCY IN PTERONIALUS PUPARUM L. (HYM., CHALCIDIDAE). (FR)

M Bouletreau J David

Entomophaga 12(2):187-197 REF

1967 421 EN835

Insect biology, Insect physiology, Larvae, Population, Pteromalidae. English abstract.

8089-69

EFFECTS OF INCREASED POLLINATOR LEVELS ON PRODUCTION OF THE HIGHBUSH BLUEBERRY, VACCINIUM CORYMBOSUM.

J W Brewer R C Dobson J W Nelson

J Econ Entomol 62(4):815-818

15 Aug 1969 421 J822

Apis mellifera, Blueberries, Crop varieties, Crop yields, Insect behavior, Pollination.

8090-69

THE INCORPORATION OF AMINO-ALCOHOLS INTO THE PHOSPHOLIPIDS OF THE ADULT HOUSEFLY, MUSCA DOMESTICA.

R G Bridges J S Holden

J Insect Physiol 15(5):779-788 REF

May 1969 421 J825

Alcohols, Insect biochemistry, Musca domestica, Phospholipids.

8091-69

EFFECTS OF INTRODUCED IRRADIATED MALE GRAIN MITES ON POPULATION DEVELOPMENT.

G A Brown R Davis

J Econ Entomol 62(4):767-771

15 Aug 1969 421 J822

Acarus siro, Biological control (insects), Cobalt isotopes, Gamma rays, Insect nutrition, Mites, Population.

8092-69

INSECTS AND THE PROBLEM OF AUSTRAL DISJUNCTIVE DISTRIBUTION.

L Brundin

Annu Rev Entomol 12:149-168

1967 421 AN72

Bibliography, Diptera, Insect evolution, Reviews, Zoogeography.

8093-69

EFFECT OF TEMPERATURE ON THE PROGENY PRODUCTION AND LONGEVITY OF LESPEZIA ARCHIPPVORA IN THE LABORATORY.

D E Bryan C G Jackson R Patana

J Econ Entomol 62(4):765-767

15 Aug 1969 421 J822

Lespesia archippivora, Longevity, Oviposition, Parasitic insects, Reproduction, Spodoptera exigua, Tachinidae, Temperature.

8094-69

MOTION AND FLAGELLATION OF CLOSTRIDIUM BREVFACIENS.

G E Bucher P Luthy

J Invertebrate Pathol 13(2):305-307

Mar 1969 421 J826

Bacterial diseases (insects), Clostridium brevifaciens, Flagella, Insect diseases, Locomotion, Microbiology.

8095-69

8095-69
TRANS-STADIAL AND TRANSOVARIAL DEVELOPMENT OF DISEASE AGENTS IN ARTHROPODS.

W Burgdorfer M G R Varma
Annu Rev Entomol 12:347-376 REF
1967 421 AN72

Arboviruses, Bacteria, Bibliography, Insect vectors, Reviews, Rickettsial diseases, Virus diseases.

8096-69

RESEARCH WITH IONIZING IRRADIATION ON THE STERILIZATION AND RADIOSENSITIVITY OF CHRYSOMELA DECEMLINEATA SAY. (IT)

R Cavalloro U Cirio
Redia (SER 2)50:365-377
1967 421 R241

Biological control (insects), Chrysomelidae, Dosage, Insect biology, Insect pests, Ionization, Irradiation, Leptinotarsa decemlineata, Metamorphosis, Mortality, Pupae, Radiation, Research, Solanaceae, Sterilization (insects). English summary. publication no. 366 of the EURATOM biology division.

8097-69

RELATIONSHIP BETWEEN THE PROTEINS OF THE HAEMOLYMPH AND FAT BODY DURING DEVELOPMENT OF PIERIS BRASSICAE.

G M Chippendale B A Kilby
J Insect Physiol 15(5):905-926 REF
May 1969 421 J825

Fat body, Hemolymph, Insect biochemistry, Insect physiology, Metamorphosis, Pieris brassicae, Proteins.

8098-69

A POLYHEDROSIS IN CULEX SALINARIUS OF LOUISIANA.

T B Clark H C Chapman
J Invertebrate Pathol 13(2):312
Mar 1969 421 J826

Culex salinarius, Inclusion bodies, Insect diseases, Polyhedroses.

8099-69

PRACTICAL IMPORTANCE OF RESISTANCE TO INSECTICIDES IN ANOPHELES. (FR)

J Coz J Hamon J Mouchet
Entomol Med Cahiers (3/4):127-135 REF
Mar 1965 SB931.A103

Anopheles, Biological control (insects), Carbamates, Chemical control (insects), Chemosterilants, Chlorinated hydrocarbons, Dichlorvos, Dieldrin, DDT, Fenitrothion, Insect genetics, Malathion, Medical entomology, Insecticide resistance of 14 species of Anopheles is discussed.

8100-69

CUTICULAR PIGMENTS OF TOBACCO HORNWORM (MANDUCA SEXTA) LARVAE: EFFECTS OF DIET AND GENETIC DIFFERENCES.

D L Dahlman
J Insect Physiol 15(5):807-814 REF
May 1969 421 J825

Cuticle, Insect genetics, Insect nutrition, Larvae, Manduca sexta, Pigments.

8101-69

THE STRUCTURE OF THE FEMALE GENITAL DUCTS AND OF THE SPERMATHECA IN GRILLUS CAMPESTRIS L. (IT)

R Dallai G Melis
Redia (SER 2)50:47-68 REF
1967 421 R241

Glands (insects), Glycidol, Gryllus campestris, Insect physiology, Orthoptera, Reproductive organs, Spermatheca. English summary.

8102-69

MICROTUBULES IN THE SPERMATIDS OF THE SILKWORM (BOMBYX MORI L.). (RUS)

L V Danilova V N Vereiskaja
Growth 10(6):684-689 REF
1968 442.8 G91

Bombyx mori, Electron microscopes, Insect physiology, Spermatozoa. English summary.

8103-69

STUDIES ON THE BEHAVIOUR OF LUCILIA ILLUSTRIS MEIGEN AS A PARASITE OF VERTEBRATES UNDER EXPERIMENTAL CONDITIONS.

B Dasgupta P Roy
Parasitology 59(2):299-304
May 1969 448.8 P21

Amphibians, Birds, Fish, Insect behavior, Insect rearing, Mammals, Myiasis, Phaenicia, Reptilia.

8104-69

THE INFLUENCE OF BACILLUS THURINGIENSIS TOXINS ON VARIOUS PHYSIOLOGICAL CHARACTERS OF DROSOPHILA ADULTS. (FR)

J David C Vago
Entomophaga 12(2):153-159
1967 421 EN835

Bacillus thuringiensis, Drosophila melanogaster, Insect physiology, Toxins. English abstract.

8105-69

A NONINCLUSION VIRUS OF BLOW-FLY LARVAE.

W A L David
J Invertebrate Pathol 13(2):310-311
Mar 1969 421 J826

Calliphora, Insect diseases, Insect rearing, Larvae, Phormia.

8106-69

DEVELOPMENTAL CHANGES IN THE PROTEIN CONSTITUTION OF A MOSQUITO (ARMIGERES SUBALBATUS) AS REVEALED BY DISC ELECTROPHORESIS.

R S Desowitz
J Parasitol 55(3):476
Jun 1969 448.8 J824

Culicidae, Electrophoresis, Insect biochemistry, Insect physiology, Proteins.

8107-69

AGE STRUCTURE OF INSECT POPULATIONS OF MEDICAL IMPORTANCE.

T S Detinova
Annu Rev Entomol 13:427-450 REF
1968 421 AN72

Aging, Anopheles, Glossina, Insect biology, Population, Simuliidae, Siphonaptera, Statistical analysis.

8108-69

ON THE PHOSPHAGEN ISOLATED FROM EGGS OF INSECTS. (FR)

F Di Jeso M T Gaetani
Paris Soc Biol Compt Rend 160(7):1408-1410 REF
14 Jan 1967 442.9 P21

Acheta domesticus, Insect biochemistry, Insect eggs, Locusta migratoria migratorioides, Musca domestica, Periplaneta americana, Phosphagen.

8109-69

NOSEMA SP. INFECTING A LABORATORY COLONY OF THE ALFALFA WEEVIL.

J J Drea G W Angalet W H Day
J Invertebrate Pathol 13(2):303-304
Mar 1969 421 J826

Hypera postica, Insect diseases, Laboratory insects, Nosema.

8110-69

ACTIVITY OF REPELLENTS EMPLOYED IN AEROSOL FORM.

V P Dremova V M Tsetlin E B Zhuk E Y Yankovskis
J Hyg Epidemiol Microbiol Immunol 13(1):64-72
1969 448.8 J826

Aedes, Aerosols, Biological assay, Insect repellents, Simuliidae, Xenopsylla cheopis.

8111-69

ADULT HOUSEFLY CONTROL AGENTS. PATENT 3,454,638.

J D Early J P Chupp

Us Patent Office Offic Gaz 864(2):565

08 Jul 1969 156.65 OF2
Chemical control (insects), Halogen compounds, Insecticides, Musca domestica, Patents.

8112-69

STUDIES ON THE MATING BEHAVIOUR OF THE PREDACEOUS MITE AMBLYSEIUS GOSIPI (ACARINA, PHYTOSEIIDAE).

E A Elbadry E M Elbenhawy
Entomophaga 13(2):159-162
1968 421 EN835

Insect behavior, Insect biology, Insect rearing, Phytoseiidae, Sex behavior.

8113-69

ENDOCRINE CONTROL OF REPRODUCTION IN INSECTS.

F Engelmann
Annu Rev Entomol 13:1-26 REF
1968 421 AN72

Corpora allata, Endocrine glands, Insect behavior, Insect eggs, Insect nutrition, Insect physiology.

8114-69

TERMINAL RESPIRATION IN MINUTE MUTATIONS OF DROSOPHILA.

M W Farnsworth
Genetics 61(2,PT 2, SUPPL):S18
1969 442.8 G28

Drosophila, Insect genetics, Insect mutation, Insect physiology, Respiration.

8115-69

ECDYSONE TITRES IN THE LAST LARVA ADULT STAGES OF THE MILKWEED BUG.

D Feir G Winkler
J Insect Physiol 15(5):899-904 REF
May 1969 421 J825

Ecdysone, Insect biochemistry, Insect physiology, Larvae, Oncoepeltus fasciatus.

Each day of the last larva stage and the first 10 days and the fourteenth day of the adult stage were assayed for ecdysone. There was no statistical difference in the amount of ecdysone/g of bugs between days 1 to 6 of the fifth instar and these days were all significantly higher than days 0 and 7. Ecdysone was detected at a low level on all the days of the adult stage that were tested except the day of ecdysis.

8116-69

LABORATORY STUDY OF THE ECOLOGICAL CONDITIONS FAVORING THE DEVELOPMENT OF THE FUNGUS BEAUVERIA TENELLA ON COCKCHAFER LARVAE. (FR)

P Ferron
Entomophaga 12(3):257-293 REF
1967 421 EN835

Beauveria tenella, Insect diseases, Larvae, Melolontha melolontha, Mortality. English abstract.

8117-69

ALKYL 2-METHYLPROPENYL KETOXIME CARBAMATES. PATENT 3,454,642.

A R Friedman
Us Patent Office Offic Gaz 864(2):566
08 Jul 1969 156.65 OF2

Anthonomus grandis, Carbamates, Coleoptera, Gryllidae, Insecticides, Musca domestica, Patents.

8118-69

THE PROTEIN NATURE OF THE SUBSTANCE INDUCING FEMALE MONOGAMY IN AEDES AEGYPTI. DESPOMMIER, D D.

M S Fuchs G B Craig
J Insect Physiol 15(4):701-709 REF
Apr 1969 421 J825

Aedes aegypti, Insect behavior, Insect biochemistry, Insect physiology, Proteins, Reproduction.

8119-69

MASS REARING OF THE RICE STEM BORER.

M Fukaya S Kamano
Baltimore, John Hopkins Press. 241-248 REF
1967 SB608.R559

Chilo suppressalis, Diet, Insect eggs, Insect nutrition, Insect rearing, Parasitic insects, Rice, Seedlings, Trichogramma.

8120-69

PHYSIOLOGY OF RICE STEM BORERS, INCLUDING HIBERNATION AND DIAPAUSE.

M Fukaya

Baltimore, John Hopkins Press. 213-227 MAP REF

1967 SB608.R5S9

Chilo suppressalis, Hibernation, Insect eggs, Insect morphology, Insect physiology, *Tryporyza incertulas*.

8121-69

ESTIMATING TEMPERATURES AND HEAT FLUX IN INSECT ENVIRONMENTS IN STUBBED COTTON FIELDS IN THE WINTER.

R E Fye C D Bonham

J Econ Entomol 62(4):823-829

15 Aug 1969 421 J822

Cotton, Environment, Hibernation, Humidity, Insects, Plant residues, Regression analysis, Soil temperature, Stubble, Temperature.

8122-69

ECOLOGICAL RESEARCH ON ARTHROPODS OF A SANDY BEACH OF THE MEDITERRANEAN. II. THE MIGRATIONS OF *TALITRUS SALTATOR* (MONTAGU) (CRUSTACEA-AMPHIPODA). (IT)

L Ceppetti P Tongiorgi

Redia (SER 2)50:309-336 REF

1967 421 R241

Arthropoda, Insect behavior, Insect ecology, Insect migration, Insect nutrition, Insect traps, Sand, *Talitrus saltator*. English summary.

8123-69

THE COMPARATIVE BIOLOGIES OF TWO HYMENOPTEROUS PARASITES OF THE CHAFF SCALE, *PARLATORIA PERGANDII*.

U Gerson

Entomophaga 13(2):163-173

1968 421 EN835

Aphelinidae, Aphytis, Humidity, Insect biology, Insect nutrition, *Parlatoria pergandii*, Population, Predaceous insects.

8124-69

RECENT FUNDAMENTAL WORK ON TSETSE FLIES.

J P Glasgow

Annu Rev Entomol 12:421-438 REF

1967 421 AN72

Bibliography, Glossina, Human diseases, Insect biology, Insect control, Insect nutrition, Insect physiology, Insect vectors, Livestock diseases, Population, Reviews.

8125-69

FUNGAL-INSECT MUTUALISM IN TREES AND TIMBER.

K Graham

Annu Rev Entomol 12:105-126 REF

1967 421 AN72

Bibliography, Forest insects, Fungi, Fungus diseases (plants), Insect ecology, Insect vectors, Symbiosis.

8126-69

IMPACT OF PATHOGENS, PARASITES, AND PREDATORS ON APHIDS.

K S Hagen R van den Bosch

Annu Rev Entomol 13:325-384 REF

1968 421 AN72

Aphelinidae, Aphididae, Aphidinae, Entomogenous fungi, Hymenoptera, Insect biology, Natural control (insects), Population, Predaceous insects.

8127-69

THE BIOLOGY OF THE EUROPEAN CORN BORER, *OSTRINIA NUBILALIS* (HUBNER), IN MANITOBA.

W Hanec G A Laurence

Entomol Soc Manitoba Proc 22:3

1966 420 EN88

Carbaryl, Chemical control (insects), DDT, Insect biology, *Ostrinia nubilalis*, Parathion.

8128-69

INFLUENCE OF LIGHT ON DIAPAUSE IN THE BOLL WEEVIL. II. DEPENDENCE OF DIAPAUSE RESPONSE ON NARROW BANDS OF VISIBLE RADIATION AND A BROAD BAND OF INFRARED RADIATION USED TO EXTEND THE PHOTOPERIOD.

F A Harris E P Lloyd H C Lane E C Burt

J Econ Entomol 62(4):854-857

15 Aug 1969 421 J822

Anthonomus grandis, Fluorescence, Infrared rays, Insect eggs, Insect physiology, Light, Photoperiodism.

8129-69

NEOPLASMS OF INSECTS.

J C Harshbarger R L Taylor

Annu Rev Entomol 13:159-190 REF

1968 421 AN72

Carcinogens, *Drosophila*, Glands (insects), Hormones, Insect genetics, Insect physiology, Irradiation, Neoplasms, Nerves.

8130-69

DAILY AND SEASONAL DENSITY OF FOUR ENTOMOPHAGOUS PREDATORS ON COTTON IN UPPER EGYPT.

M H Hassanein A M Afify H T Farghaly

Entomophaga 13(2):143-150 REF

1968 421 EN835

Chrysopidae, Coccinellidae, Cotton, Insect biology, Population, Predaceous insects, Surveys.

8131-69

THE LENGTH OF LARVAL STAGE IN PYRETHROID-RESISTANT AND SUSCEPTIBLE STRAINS OF THE HOUSE FLY, *MUSCA DOMESTICA* L. (JA)

A Hayashi N Ikeno

Jap J Sanitary Zool 19(3):204-206 REF

20 Oct 1968 QL99.E3

Chlorinated hydrocarbons, DDT, Insect physiology, Insecticide resistant insects, Larvae, *Musca domestica*, Pyrethrum. English summary.

8132-69

A CRITICAL REVIEW OF *BACILLUS THURINGIENSIS* VAR. *THURINGIENSIS* BERLINER AND OTHER CRYSTALLIFEROUS BACTERIA.

A M Heimpel

Annu Rev Entomol 12:287-322 REF

1967 421 AN72

Bacillus thuringiensis, Bibliography, Biochemistry, Biological control (insects), Coleoptera, Diptera, Hymenoptera, Lepidoptera, Taxonomy, Toxins.

8133-69

IMMUNE RESPONSES OF LIGATURED *GALLERIA MELLONELLA* LARVAE.

W F Hink J D Briggs

J Invertebrate Pathol 13(2):308-309

Mar 1969 421 J826

Galleria mellonella, Immunity, Insect physiology, Larvae, *Pseudomonas aeruginosa*.

8134-69

SELECTION FOR AMERICAN FOULBROOD RESISTANCE IN LARVAL HONEY BEES.

T R Hoage D C Peters

J Econ Entomol 62(4):896-900 REF

15 Aug 1969 421 J822

American foulbrood, *Apis mellifera*, *Bacillus* larvae, Bee diseases, Insect rearing, Larvae.

8135-69

BIONOMICS AND ECOLOGY OF PREDACEOUS COCCINELLIDAE.

I Hodek

Annu Rev Entomol 12:79-104 REF

1967 421 AN72

Bibliography, Bionomics, Coccinellidae, Insect biology, Insect nutrition, Insect physiology, Predaceous insects.

8136-69

TICKS IN RELATION TO HUMAN DISEASES CAUSED BY RICKETTSIA SPECIES.

H Hoogstraal

Annu Rev Entomol 12:377-420 REF

1967 421 AN72

Boutonneuse fever, Human diseases, Insect vectors, Ixodidae, Rickettsial diseases, Spotted fever, Typhus.

8137-69

THE EFFECT OF LARVAL DENSITY ON MORTALITY OF *CULEX PIPIENS FATIGANS* DUE TO DDT AND DIELDRIN.

G H S Hooper

World Health Organ Bull 36(1):179-180

1967 449.9 W892B

Culex pipiens quinquefasciatus, Dieldrin, DDT, Insecticide resistant insects, Insecticides, Larvae.

8138-69

TOXICOLOGY AND PHYSIOLOGY OF DDT RESISTANCE IN THE GERMAN COCKROACH.

G H S Hooper

J Econ Entomol 62(4):846-849 REF

15 Aug 1969 421 J822

Blattella germanica, Carbon isotopes, Chlorinated hydrocarbons, Cuticle, DDT, Insect metabolism, Insect physiology, Insecticide resistant insects, Insecticides, Metabolites, Radioactive tracers, Regression analysis, TDE.

8139-69

BEHAVIOURAL ASPECTS OF THE ECOLOGY OF THE SAND MARTIN FLEA *CERATOPHYLLUS STYX* JORDANI SMIT (SIPHONAPTERA).

D A Humphries

Parasitology 59(2):311-334 REF

May 1969 448.8 P21

Ceratophyllus, Insect behavior, Insect biology, Insect ecology.

8140-69

NUTRITIONAL STUDIES OF THE RICE STEM BORER *CHILO SUPPRESSALIS* WALKER.

S Ishii

Baltimore, John Hopkins Press. 229-239 REF

1967 SB608.R5S9

Amino acids, Carbohydrates, *Chilo suppressalis*, Diet, Fertilizers, Insect eggs, Insect nutrition, Insect rearing, Larvae, Lipids, Rice, Silicates.

8141-69

INVESTIGATIONS OF THE MORPHOLOGY AND DEVELOPMENT OF THE SCOLOPIDIA IN THE STICK INSECT *CARAUSIUS MOROSUS* BR. (GE)

E Jaegers-Roehr

Biol Zentralbl 87(4):393-409, REF

Jul 1968 442.8 B523

Carausius morosus, Cytology, Insect morphology, Insect physiology, Legs, Mitosis, Nerves, Sense organs. English summary.

8142-69

A BLOATING DISEASE OF ADULTS OF THE APPLE MAGGOT.

R P Jaques W T A Neilson F Huston

J Econ Entomol 62(4):850-851

15 Aug 1969 421 J822

Abdomen, Antibiotics, Bacteria, Chlorotetracycline, Imago, Insect diseases, *Rhagoletis pomonella*.

8143-69

USE OF THE MULTIPLE REGRESSION EQUATION IN THE PREDICTION OF THE INSECTICIDAL ACTIVITY OF ANTI-CHOLINESTERASE INSECTICIDES.

R L Jones R L Metcalf T R Fukuto

J Econ Entomol 62(4):801-808 REF

15 Aug 1969 421 J822

Carbamates, Cholinesterases, Insect metabolism, Insecticides, *Musca domestica*, Regression analysis, Synergism.

8144-69

PERSISTENCE OF RESISTANT POPULATIONS AFTER THE RELAXATION OF THE SELECTION PRESSURE.

J Keiding

World Rev Pest Contr 6(4,WINTER):115-130 REF

1967 79.8 W89

Arthropoda, Biochemistry, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticide resistant insects, Insecticides, Musca domestica.

8145-69

OBSERVATIONS ON THE FUNCTIONAL ANATOMY OF THE REPRODUCTIVE ORGANS OF SITOPHILUS (COLEOPTERA: CURCULIONIDAE).

N R Khan A J Musgrave

Can J Zool 47(4):665-669 REF

Jul 1969 470 C16D

Curculionidae, Insect anatomy, Insect physiology, Reproduction, Reproductive organs, Sitophilus granarius, Sitophilus zeamais, Spermatheca, Spermatozoa.

8146-69

RESEARCH ON THE PATHOGENESIS OF NOSEMA MELOLONTIAE KRIEGL. (FR)

A Kharazi-Pakdel

Entomophaga 13(4):289-318 REF

1968 421 EN835

Insect diseases, Melolontha melolontha, Nosema, Temperature.

8147-69

ISOLATION AND CHARACTERIZATION OF THE RIBOSOMAL PROTEINS OF DROSOPHILA MELANOGASTER.

B I Kiefer K Gross

Genetics 61(2,PT 2,SUPPL):S32

1969 442.8 G28

Drosophila melanogaster, Insect biochemistry, Proteins, Ribosomes.

8148-69

RESEARCH ON BIO-ECOLOGY OF SITONA CRINITUS (HERBST) AND METHOD FOR CHEMICAL CONTROL. (TU)

A U Kilic A Catalpınar N Adiguzel

Bitki Koruma Bulteni 8(1):61-73

Mar 1968 464.8 B542

Benzene hexachloride, Chemical control (insects), DDT, Insect biology, Insect ecology, Insect pests, Insecticide application, Sitona, Time, Zoogeography. English summary.

8149-69

THE BIOLOGY AND LIFE CYCLE OF CHILO SUPPRESSALIS (WALKER) AND TRYPORYZA (SCHOENOBUS) INCERTULAS (WALKER) IN TEMPERATURE-CLIMATE AREAS.

K Kiritani S Iwao

Baltimore, John Hopkins Press. 45-101 MAP REF

1967 SB608.R559

Chilo suppressalis, Humidity, Insect behavior, Insect biology, Insect morphology, Life cycle, Rice, Temperature, Tryporyza incertulas, Zoogeography.

8150-69

NEW AND LITTLE KNOWN SPECIES OF THE FAMILY TRIOZA FORST. (HOMOPTERA, PSYLLIDAE) FROM KOREA. (GE)

S M Klimaszewski

Polska Akad Nauk Bull Ser Sci Biol 16(5):289-292

1968 512 W262

Insect anatomy, Insect identification, Insect taxonomy, Psyllidae, Trioza koreana, Trioza myohyangi, Trioza obliqua obliqua, Zoogeography.

8151-69

CORRELATION OF NUCLEOLYTIC ACTIVITIES WITH THE STAGE OF GROWTH OF THE SILKWORM.

K Koga A Hara S Akune

J Insect Physiol 15(5):799-806 REF

May 1969 421 J825

Bombyx mori, Deoxyribonucleases, Insect biochemistry, Insect physiology, Ribonuclease.

8152-69

NEW ULTRACYTOLOGICAL FINDINGS IN INSECT NUCLEAR POLYHEDROSES.

A Krieg A M Huger

J Invertebrate Pathol 13(2):272-279 REF

Mar 1969 421 J826

Cytology, Electron microscopy, Galleria mellonella, Insect diseases, Nuclear polyhedrosis virus, Porthetria dispar.

Virogenesis and morphology of Borrelivirus spp. have been studied in larvae of Galleria mellonella, Porthetria dispar, and Choristoneura murinana by electron-microscope investigations of ultrathin sections. Details are given on the development of virions from virogenic stroma, the polymorphism of virions (standard type virus rods, virus filaments, spherical and pleomorphic forms), and the formation and possible function of membranous and fibrillar structures in the nuclei of infected fat cells.

8153-69

VARIATION-STATISTICAL RESEARCH ON THE FEMALE OF FORMICA LUGUBRIS ZETT. (GE)

H Kutter

Schweiz Entomol Ges Mitt 40(1/2):63-77

20 Jul 1967 420 SW6

Formicidae, Hair, Insect physiology, Myrmecocystus lugubris, Statistical analysis, Tables (data), Zoogeography. English and Italian summary.

8154-69

RECENT ADVANCES IN BEE COMMUNICATION AND ORIENTATION.

M Lindauer

Annu Rev Entomol 12:439-470 REF

1967 421 AN72

Bees, Bibliography, Chemoreceptors, Eyes, Insect behavior, Reproduction, Reviews.

8155-69

BIOLOGICAL INVESTIGATIONS ON PANDEMIS HEPARANA (DEN. AND SCHIFF.) WITH SPECIAL CONSIDERATION GIVEN TO THE FACTORS INDUCING DIAPAUSE AND INFLUENCING EGG LAYING. (GE)

E Mani

Schweiz Entomol Ges Mitt 40(3/4):145-203 REF

15 Apr 1968 420 SW6

Caterpillars, Diapause, Insect biology, Insect eggs, Insect nutrition, Insect physiology, Larvae, Mortality, Pandemis heparana, Temperature, Tortricidae. English and French summaries

8156-69

IN VITRO SYNTHESIS OF INJURY PROTEIN AND A COMPANION PROTEIN IN ORGANS OF PREPUPA OF GALLERIA MELLONELLA L.

M Marek

Compar Biochem Physiol 29(3):1231-1237 REF

Jun 1969 444.8 C73

Galleria mellonella, Insect biochemistry, Larvae, Proteins, Tissue culture.

8157-69

EFFECT OF IRRADIATION ON MATING PREFERENCE AND REPRODUCTION SUPPRESSION OF DROSOPHILA MELANOGASTER.

H C Mason M C Papageorgiou S W Jacklin

J Econ Entomol 62(4):818-821

15 Aug 1969 421 J822

Cohalt isotopes, Drosophila melanogaster, Gamma rays, Insect behavior, Reproduction, Sex behavior.

8158-69

ON THE EFFECT OF SYNTHETIC SYNERGISTS UPON THE KNOCKDOWN SPEED OF PYRETHROIDS AGAINST LARVAE OF THE COMMON HOUSE MOSQUITO, CULEX PIPIENS PALLENS COQUILLETT.

H M: t ubara

Agr Biol Chem 31(10):1130-1134

Oct 1967 385 AG8B

Culex pipiens pallens, Insecticides, Larvae, Pyrethrum, Synergists.

8159-69

PURIFICATION OF A CYTOPLASMIC POLYHEDROSIS VIRUS OF THE SILKWORM, BOMBYX MORI.

S Miyajima I Kimura S Kawase

J Invertebrate Pathol 13(2):296-302

Mar 1969 421 J826

Biochemistry, Bombyx mori, Insect diseases, Polyhedroses, Virus purification.

8160-69

COMPOUNDS TESTED FOR CONTROL OF NOSEMA IN HONEY BEES.

J O Moffett J J Lackett J D Hitchcock

J Econ Entomol 62(4):886-889

15 Aug 1969 421 J822

Antibiotics, Apis mellifera, Bee diseases, Chemicals, Nosema disease.

8161-69

THE FINE-STRUCTURE OF THE EPIMASTIGOTE FORMS OF TRYPANOSOMA LEWISI IN THE RECTUM OF THE FLEA, NOSOPSYLLUS FASCIATUS.

D H Molyneux

Parasitology 59(1):55-66 REF

Feb 1969 448.8 P21

Gastrointestinal system, Insect diseases, Nosopsyllus fasciatus, Physiology, Trypanosoma lewisi.

8162-69

BIONOMICS OF SIRICIDAE.

F D Morgan

Annu Rev Entomol 13:239-252

1968 421 AN72

Cultural control (insects), Fungi, Insect behavior, Insect biology, Insect vectors, Population, Siricidae, Zoogeography.

8163-69

ANOPHELES MOUCHETI IN CAMEROON. (FR)

J Mouchet J Gariou

Entomol Med Cahiers 4(6):71-81 REF

1966 SB931.A103

Anopheles, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT, Forest insects, Human diseases, Insect vectors, Insecticides, Malaria, Medical entomology. English summary.

8164-69

FOOD SELECTION BY GRASSHOPPERS.

G B Mulkern

Annu Rev Entomol 12:59-78 REF

1967 421 AN72

Acrididae, Bibliography, Insect biology, Insect nutrition.

8165-69

THE ROLE OF THE NEUROHORMONES IN THE SEXUAL DIFFERENTIATION OF LAMPYRIS NOCTILUCA. (FR)

J Naisse

J Insect Physiol 15(5):877-892 REF

May 1969 421 J825

Endocrine glands, Hormones, Insect morphology, Insect physiology, Lampyridae, Neuroendocrines, Parabiosis.

8166-69

ACID PHOSPHATASE ACTIVITY IN THE DIGESTIVE SYSTEM OF THE DESERT LOCUST SCHISTOCERCA GREGARIA (FORMICA).

S N H Naqvi S H Ashrafi M A H Qadri

Australian J Biol Sci 21(5):1047-1052 REF

Oct 1968 442.8 AU72

Acid phosphatase, Acrididae, Biochemistry, Enzymes, Gastrointestinal system, Insect physiology, Nitrophenol, p-, Schistocerca gregaria.

- 8167-69
EXPERIENCES IN MASS REARING OF PROSPALTELLA PERNOIOSI TOW. IN THE TRANSFORMED STUTTGART INSECTARIUM. (GE)
G Neuffer
Entomophaga 12(3):235-239
1967 421 EN835
Biological control (insects), Insect control, Insect rearing, Prospaltella perniciosi.
- 8168-69
THE ROLE OF THE NERVOUS SYSTEM IN INSECT MORPHOGENESIS AND REGENERATION.
H Nuech
Annu Rev Entomol 13:27-44 REF
1968 421 AN72
Antennae, Antheraea polyphemus, Eyes, Insect physiology, Muscles, Nervous system, Regeneration.
- 8169-69
THE LABIUM OF APHELOCHEIRUS AESTIVALIS F. AS COMPARED WITH THAT OF TYPICAL NAUCORIDAE (HETEROPTERA). M C Parsons
Can J Zool 47(3):295-306 REF
May 1969 470 C16D
Aphelocheirus aestivalis, Insect morphology, Insect physiology, Insect taxonomy, Naucoridae, Salivary glands (insects).
- 8170-69
PHENOXAZINONE SYNTHESIS IN DROSOPHILA MELANOGASTER.
J P Phillips H S Forrest
Genetics 61(2,PT 2,SUPPL.):S47
1969 442.8 G28
Drosophila melanogaster, Enzymes, Insect biochemistry, Metabolism, Pigments.
- 8171-69
ASSOCIATION AMONG SPECIES OF INFREQUENT OCCURRENCE: THE INSECT AND SPIDER FAUNA OF POLYPORUS BETULINUS (BULLIARD) FRIES.
D P Pielou E C Pielou
J Theor Biol 21(2):202-216
Nov 1968 442.8 J8223
Fungi, Insect behavior, Insect ecology, Polyporus betulinus, Population, Social insects, Spiders, Zoogeography.
- 8172-69
ON THE POSITIONAL SPECIFICITY OF PHOSPHOLIPASE A OF CERTAIN SPECIES OF MOSQUITOES.
R H Rao D. Subrahmanyam
Life Sci 8(10,PT 2):447-451 REF
15 May 1969 442.8 L62
Aedes aegypti, Anopheles stephensi, Culex pipiens, Insect biochemistry, Phospholipase.
- 8173-69
INVESTIGATION INTO THE MORPHOLOGY, TAXONOMY, AND BIOLOGY OF THE PODAPOLIPIDAE (ACARINA, TARSONEMINI) (UNDER SPECIAL CONSIDERATION, THE PARALLEL EVOLUTION OF THE GENERA FEUTARSOPOLIPUS AND DORSIPES WITH THEIR HOSTS (COLEOPT., CARABIDAE)). (GE)
H Regenfuss
Z Wiss Zool 177(3-4):183-282 REF
1968 410 Z3
Acarina, Carabidae, Insect biology, Insect evolution, Insect morphology, Insect taxonomy, Parasitic insects.
- 8174-69
THE ALARM-DEFENCE SYSTEM OF THE ANT LASIUS ALIENUS.
F E Regnier E O Wilson
J Insect Physiol 15(5):893-898
May 1969 421 J825
Formicidae, Insect behavior, Insect physiology, Insect protective devices, Mandibular glands.
- 8175-69
DNASE AS A COMPONENT OF MULTI-ENZYME COMPLEXES IN THE BLOOD OF SATURNIID MOTHS.
L A Riechers F W Mcycers S J Berry
J Insect Physiol 15(5):743-753
May 1969 421 J825
Deoxyribonucleases, Electrophoresis, Enzymes, Hemolymph, Hyalophora ecceppia, Insect biochemistry, Radioactive tracers.
- 8176-69
REGULATION OF EXTERNAL RESPIRATION BY THE BOOK-LUNG SPIRACLES OF THE SPIDERS, ARANEUS DIADEMATUS CLERCK AND A. MARMOREUS CLERCK.
G L Robinson U Paim
Can J Zool 47(3):355-364 REF
May 1969 470 C16D
Araneus diadematus, Araneus marmoreus, Carbon dioxide, Insect biochemistry, Insect physiology, Insect respiration, Oxygen, Respirometers, Spiders, Spiracles.
- 8177-69
ACOUSTIC INTERNEURONS IN THE BRAIN OF NOCTUID MOTHS.
K D Roeder
J Insect Physiol 15(5):825-838 REF
May 1969 421 J825
Brain, Insect physiology, Nervous system, Noctuidae, Sense organs, Sound waves.
- 8178-69
SEX PHEROMONE SPECIFICITY: TAXONOMIC AND EVOLUTIONARY ASPECTS IN LEPIDOPTERA.
W L Roelofs A Comeau
Science 165(3891):398-399 REF
25 Jul 1969 470 SC12
Gelechiidae, Insect evolution, Insect physiology, Pheromones, Sex attractants, Tortricidae.
- 8179-69
SEX PHEROMONE SPECIFICITY: TAXONOMIC AND EVOLUTIONARY ASPECTS IN LEPIDOPTERA.
W L Roelofs A Comeau
Science 165(3891):398-400
25 Jul 1969 470 SC12
Insect taxonomy, Lepidoptera, Pheromones, Reproduction.
- 8180-69
ABSORPTION OF DDT AND METABOLISM OF DDT AND RELATED COMPOUNDS BY DDT-RESISTANT CODLING MOTHS.
H A Rose G H S Hooper
J Econ Entomol 62(4):857-861 REF
15 Aug 1969 421 J822
Carbon isotopes, Chlorinated hydrocarbons, DDT, Insect metabolism, Insecticide resistant insects, Laspeyresia pomonella, Metabolites, Radioactive tracers, TDE.
- 8181-69
THE EVOLUTION AND PAST DISPERSAL OF THE TRICHOPTERA.
H H Ross
Annu Rev Entomol 12:169-206 MAP REF
1967 421 AN72
Bibliography, Insect adaptation, Insect evolution, Trichoptera, Zoogeography.
- 8182-69
BIOLOGICAL AND ECOLOGICAL STUDY OF THE HYMENOPTEROUS PARASITES OF THE EGGS OF CEREAL BUGS. (FR)
M Savavi
Entomophaga 13(5):381-495 MAP REF
1968 421 EN835
Grain, Insect biology, Insect ecology, Insect eggs, Pentatomidae, Predaceous insects, Reviews. English abstract.
- 8183-69
MOVEMENT OF CALCIUM AND MAGNESIUM ACROSS THE MIDGUT EPITHELIUM OF THE AMERICAN COCKROACH.
J R Sauer R R Mills
J Insect Physiol 15(5):789-797 REF
May 1969 421 J825
Calcium, Gastrointestinal system, Insect physiology, Magnesium, Pteriplaneta americana, Spectrophotometry.
- 8184-69
ANALYSIS OF SEQUENCES OF MATINGS IN DROSOPHILA MATING CHAMBER EXPERIMENTS.
H E Schaffer
Genetics 61(2,PT 2,SUPPL.):S53
1969 442.8 G28
Drosophila melanogaster, Insect behavior, Markov chains, Mathematical analysis, Reproduction, Sex behavior.
- 8185-69
AIR SWALLOWING-AN EFFECTIVE PROTECTION AGAINST DROWNING IN LARVAE OF EPISTROPHE BALTEATA (SYRPHIDAE DIPT.). (GE)
F Schneider
Schweiz Entomol Ges Mitt 40(3/4):253-256
15 Apr 1968 420 SW6
Diapause, Epistrophe balteata, Hyalopterus pruni, Insect behavior, Insect ecology, Insect protective devices, Larvae, Phragmites, Predaceous insects, Syrphidae, Zoogeography.
- 8186-69
CHEMOSENSORY BASES OF HOST PLANT SELECTION.
L M Schoonhoven
Annu Rev Entomol 13:115-136 REF
1968 421 AN72
Chemoreceptors, Electrophysiology, Feeding, Food habits, Insect behavior, Insect nutrition, Insect physiology, Phytophagous insects, Plants.
- 8187-69
PHENYLALANINE INDUCED ENHANCEMENT OF DROSOPHILIN FORMATION IN THE EYE COLOR MUTANT OR66K (ORANGE) OF DROSOPHILA MELANOGASTER.
I Schwinck
Genetics 61(2,PT 2,SUPPL.):S53-S54
1969 442.8 G28
Drosophila melanogaster, Eyes, Insect biochemistry, Phenylalanine, Pigments.
- 8188-69
DIELDRIN RESISTANCE IN LUCILIA SERICATA (MEIG) FROM CO. DUBLIN, EIRE.
R D Shaw K W Page G G Blackman
Vet Rec 82(26):755-757
29 Jun 1968 41.8 V641
Aldrin, Dieldrin, DDT, Insecticide resistant insects, Insecticides, Lindane, Lucilia cuprina, Phaenicia sericata.
- 8189-69
CONTROL OF EUROPEAN FOULBROOD DISEASE OF THE HONEY BEE.
H Shimanuki T Lehnert D A Knox E W Herbert
J Econ Entomol 62(4):813-814
15 Aug 1969 421 J822
Apis mellifera, Ethylene oxide, European foulbrood, Insect diseases, Oxytetracycline.
- 8190-69
SYNECOLOGICAL STUDIES ON FLIES (ANTHOMYIINI) IN CULTIVATED FIELDS. (A CONTRIBUTION TO AGRARICOLOGY). (GE)
F Siek
Z Wiss Zool 176(3-4):287-330 MAP REF
1967 410 Z3
Anthomyiidae, Field studies, Insect biology, Insect ecology. English abstract.
- 8191-69
EFFECTS OF SUB-LETHAL DOSAGES OF PARATHION AND CARBARYL ON THE BIOLOGY OF DYSDERCUS KOENIGII FABRICIUS.
H Singh R Lal
Plant Protect Bull 19(3):12-20
1967 421 P69

Biochemistry, Carbamates, Carbaryl, Chemical control (insects), Dosage, Dysdercus koenigi, Insect biology, Insecticides, Mortality, Organophosphorus compounds, Parathion, Pyrrhocoridae.

8192-69

FEEDING AND REPRODUCTION OF THE GRAIN AND THE MUSHROOM MITE ON WOOD-INHABITING HYMENOMYCETES.

R N Sinha R D Whitney
J Econ Entomol 62(4):837-840 REF
15 Aug 1969 421 J822

Acarus siro, Fungus diseases (plants), Insect nutrition, Mites, Reproduction, Tree diseases, Tyrophagus putrescentiae, Wood destroying fungi.

8193-69

P32-LABELING OF COMMON MALARIA MOSQUITOES: ASSIMILATION BY LARVAE AND RETENTION AND TRANSFER DURING MATING.

B J Smittle R S Patterson C S Lofgren
J Econ Entomol 62(4):851-853
15 Aug 1969 421 J822

Anopheles quadrimaculatus, Imagos, Insect metabolism, Insect nutrition, Larvae, Phosphorus isotopes, Radioactive tracers, Semen, Sex behavior, Water.

8194-69

ACTIVITIES IN UNFERTILIZED AND FERTILIZED DROSOPHILA EGGS OF ENZYMES IN THE NUCLEIC ACID BIOSYNTHETIC PATHWAY.

L A Snyder E S Goldstein
Genetics 61(2,PT 2,SUPPL):556
1969 442.8 G28

Drosophila melanogaster, Eggs, Enzymes, Insect biochemistry, Insect physiology, Metabolism, Nucleic acids.

8195-69

SPECTRUM ANALYSIS OF THE LIGHT EMITTED BY LUCIOLA LUSITANICA (CHARP.). (IT)

F Strumia
Redia (SER 2)50:345-349
1967 421 R241

Coleoptera, Insect physiology, Lampyridae, Light, Luciola lusitanica, Luminescence, Spectra, Spectroscopy. English summary.

8196-69

INFLUENCE OF FOOD ON THE FECUNDITY OF CHRYSOPA CARNEA STEPHENS (NEUROPTERA, CHRYSOPIDAE).

R A Sundby
Entomophaga 12(5):475-479
1967 421 EN835

Chrysopa carnea, Fertility, Insect nutrition, Predaceous insects.

8197-69

COLOR AND NATURAL PRODUCTS ATTRACTING THE ADULT SUGARBEET ROOT MAGGOT IN SOUTHCENTRAL IDAHO.

A A Swenson W E Peay
J Econ Entomol 62(4):910-912
15 Aug 1969 421 J822

Attractants, Color, Crop losses, Insect biology, Insect ecology, Insect traps, Plant extracts, Sandy soils, Soil series, Sugar, Sugar beets, Tetanops myopaeformis.

8198-69

INEFFECTIVENESS OF A MICROSPORIDIAN AND A GRANULOSIS VIRUS IN ACTIVATING A CYTOPLASMIC POLYHEDROSIS VIRUS IN THE ALFALFA CATERPILLAR, COLIAS EURYTHEME.

Y Tanada
J Invertebrate Pathol 13(2):313-315
Mar 1969 421 J826

Colias eurytheme, Granuloses, Insect diseases, Microsporidia, Polyhedroses.

8199-69

FORMATION OF TUMORLIKE LESIONS IN THE COCKROACH LEUCOPHAEA MADERAE AFTER NERVE SEVERANCE.

R L Taylor
J Invertebrate Pathol 13(2):167-187 REF
Mar 1969 421 J826

Electron microscopy, Histology, Inflammation, Insect diseases, Insect physiology, Leucophaea maderae, Nerves.

8200-69

THE ROLE OF SHORT INFRA-RED RAYS, ON THE EGG LAYING WORKERS OF THE ANT DOLICHODERUS QUADRIPUNCTATUS L. (FR)

C Tdrossian
Paris Soc Biol Compt Rend 160(7):1522-1525
14 Jan 1967 442.9 P21

Formicidae, Infrared rays, Insect eggs, Insect physiology, Oviposition.

8201-69

PHOTOPERIOD AND TEMPERATURE AS FACTORS CONTROLLING THE DIAPAUSE OF THE SUNFLOWER MOTH, HOMOEOSOMA ELECTELLUM.

G L Teetes P L Adkisson N M Randolph
J Insect Physiol 15(5):755-761 REF
May 1969 421 J825

Homoeosoma electellum, Insect physiology, Larvae, Metamorphosis, Photoperiodism, Temperature.

8202-69

THE RESIDUAL OF N,N,N',N'-TETRAMETHYL-PIPERIDINOPHOSPHONIC DIAMIDE AFTER INJECTION, TARSAL CONTACT, AND TOPICAL APPLICATION TO THE BOLL WEEVIL.

A C Terranova
J Econ Entomol 62(4):821-823 REF
15 Aug 1969 421 J822

Anthonomus grandis, Chemosterilants, Chromatography, Insect metabolism, Insecticide application, Tetramethyl-p-piperidinophosphonic diamide, N,N,N',N'.

8203-69

INSECTICIDE-CYTOPLASMIC INTERACTIONS IN INSECTS AND VERTEBRATES.

L C Terriere
Annu Rev Entomol 13:75-98 REF
1968 421 AN72

Benzene hexachloride, Biochemistry, Chlorinated hydrocarbons, Cytoplasm, DDT, Insecticides, Microsomes, Organophosphorus compounds, Pyrethrum, Vertebrates.

8204-69

ENTOMOPHTHORA PYRIFORMIS SP. N. A FUNGUS PARASITE OF THE APHIDIDAE. (FR)

G Thoizon
Entomophaga 12(3):303-307 REF
1967 421 EN835

Aphididae, Entomogenous fungi, Entomophthora, Taxonomy. English abstract.

8205-69

POLLEN GATHERING OF HONEY BEES REDUCED BY PESTICIDE SPRAYS.

F E Todd C B Reed
J Econ Entomol 62(4):865-867
15 Aug 1969 421 J822

Alfalfa, Apis mellifera, Chlorinated hydrocarbons, Endosulfan, Insect behavior, Insecticides, Naled, Organophosphorus compounds, Poisoning, Pollination, Safflower, Spraying, Toxaphene.

8206-69

PREDATORS AND PARASITES OF APHYTIS (HYM., APHELINIDAE). (FR)

R Traboulsi
Entomophaga 13(4):345-355 REF
1968 421 EN835

Aphytis, Biological control (insects), Encyrtidae, Insect biology, Insect taxonomy, Predaceous insects, Pyemotidae. English abstract.

8207-69

GUT ABSORPTION.

J E Treherne
Annu Rev Entomol 12:43-58 REF
1967 421 AN72

Amino acids, Bibliography, Insect physiology, Ions, Lipids, Sugars, Water.

8208-69

COMPARISON TESTS BETWEEN VARIOUS ACTIVE INGREDIENTS EMPLOYED DURING 1966 IN THE CONTROL OF THE FLEA BEETLE OF THE BEET (CHAETOCNEMA TIBIALIS). (IT)

V Tullio D Ponis
Giornate Fitopatol 339-344
26 Mar 1967 SB599.G5

Beets, Chaetocnema tibialis, Chemical control (insects), Chlorinated hydrocarbons, Diazinon, DDT, Heptachlor, Organophosphorus compounds. The experimental product DC 70 proved effective. Other less effective insecticides were also tested.

8209-69

ARTIFICIAL DIETS FOR LARVAE OF THE ORIENTAL FRUIT MOTH.

M E Tzanakakis J H H Phillips
J Econ Entomol 62(4):879-882 REF
15 Aug 1969 421 J822

Experimental insects, Grapholitha molesta, Insect rearing, Larvae.

8210-69

CARBOHYDRATES IN THE HAEMOLYMPH OF THE CRICKET, ACHETA DOMESTICUS.

C M Wang R L Patton
J Insect Physiol 15(5):861-866 REF
May 1969 421 J825

Acheta domesticus, Carbohydrates, Hemolymph, Insect biochemistry.

The carbohydrates in the hemolymph of the house cricket have been isolated and determined by standard analytical methods. Glucose tends to remain constant in all stages with the principal fluctuation attributed to the production and utilization of trehalose.

8211-69

CONTRAST PERCEPTION IN EYE COLOUR MUTANTS OF DROSOPHILA MELANOGASTER AND DROSOPHILA SUBOBSCURA.

R Wehner G Gartenmann T Jungi
J Insect Physiol 15(5):815-823 REF
May 1969 421 J825

Color, Drosophila melanogaster, Drosophila subobscura, Eyes, Insect physiology, Vision.

8212-69

HAEMOCYTE ACTIVITY IN RELATION TO EPIDERMAL CELL GROWTH, CUTICLE SECRETION, AND CELL DEATH IN A METAMORPHOSING CYCLORRHAPHAN PUPA.

J M Whitten
J Insect Physiol 15(5):763-778 REF
May 1969 421 J825

Cuticle, Cytology, Electron microscopy, Insect physiology, Metamorphosis, Pupae, Sarcophaga bullata.

8213-69

MECHANICAL AND PHYSIOLOGICAL DEFENSE REACTIONS OF AN APHID SPECIES (APHIDIDAE) AGAINST ICHNEUMONID WASPS (HYMENOPTERA). (GE)

H Wilbert
Entomophaga 12(2):127-137 REF
1967 421 EN835

Aphididae, Ichneumonidae, Insect physiology, Insect protective devices, Predaceous insects. English abstract.

8214-69 SEX ATTRACTION AND MATING OF LESSER PEACH TREE BORER MOTHS.

T T Y Wong M L Cleveland D G Davis

J Econ Entomol 62(4):789-792

15 Aug 1969 421 J822

Apples, Insect behavior, Peaches, Sex behavior, Synanthedon pictipes.

8215-69

AN EPIZOOTIC DISEASE OF TARICHIMUM (ENTOMOPHTHORACEAE) ON THE LARVAE OF OCNOPYNA PARASITA HBN. (LEPIDOPTERA, ARCTIIDAE). (FR)

J Wuest G Turian

Schweiz Entomol Ges Mitt 40(1/2):96-99

20 Jul 1967 420 SW6

Arctiidae, Entomogenous fungi, Entomophthoraceae, Epizootic diseases, Insect diseases, Larvac, Mycology, Nomenclature, Ocnopyna, Parasitism, Spores.

8216-69

DEVELOPMENT OF CONTROLLED CONDITIONS FOR THE STUDY OF RED STELE DISEASE ON STRAWBERRIES.

W K Wynn

Boyce Thompson Inst Contrib 24(4 JUL-SEP):95-102 REF

1968 451 B69

Biochemistry, Development, Fungus diseases (plants), Growth, Immunization, Phytophthora fragariae, Plant disease resistance, Red stele, Roots, Sporangia, Strawberries, Temperature.

8217-69

PIT CONSTRUCTION BY MYRMELEONTID LARVAE.

G J Youthed V C Moran

J Insect Physiol 15(5):867-875

May 1969 421 J825

Insect behavior, Larvae, Myrmeleontidae, Traps.

GENETICS

8218-69

CHROMATOGRAPHIC COMPARISON OF PTERIDINE LEVELS IN FOUR WHITE LOCUS ALLELES OF DROSOPHILA MELANOGASTER.

J Bennett K W Bennett

Genetics 61(2,PT 2,SUPPL):S3

1969 442.8 G28

Alleles, Chromatography, Drosophila melanogaster, Insect biochemistry, Insect genetics, Pteridine.

8219-69

RADIATION INDUCED INCREASE IN FITNESS IN DROSOPHILA SIMULANS.

B G Blaylock

Genetics 61(2,PT 2,SUPPL):S5

1969 442.8 G28

Drosophila simulans, Insect genetics, Population, Radiation.

8220-69

Y-AUTOSOME TRANSLOCATIONS IN DROSOPHILA.

G E Brosseau

Genetics 61(2,PT 2,SUPPL):S6-S7

1969 442.8 G28

Chromosomes, Cytogenetics, Drosophila.

8221-69

THE PRODUCTIVITY OF FOUR INBRED STRAINS OF DROSOPHILA MELANOGASTER.

L Butler

Can J Zool 47(3):313-321 REF

May 1969 470 C16D

Drosophila melanogaster, Insect genetics, Insect mutation, Insect rearing, Reproduction.

8222-69

ALLELIC COMPLEMENTATION AND GENETIC FINE STRUCTURE AT THE RUDIMENTARY LOCUS OF DROSOPHILA MELANOGASTER.

P S Carlson

Genetics 61(2,PT 2,SUPPL):S8

1969 442.8 G28

Alleles, Drosophila melanogaster, Insect genetics.

8223-69

TRIPLOIDY IN NATURAL POPULATIONS OF BLACK FLIES PROSIMULIUM MACROPYGA LUNDSTR (SIMULIIDAE, DIPTERA). (RUS)

L A Chubareva

Tsitologiya 10(6):750-754 REF

1968 442.8 T78

Insect genetics, Parthenogenesis, Polyploidy, Population, Prosimulium, Simuliidae. English summary.

8224-69

SONLESS, A SEX-RATIO ANOMALY IN DROSOPHILA MELANOGASTER CAUSED BY AN INTERACTION OF CYTOPLASM AND A SEX-LINKED GENE.

J J Colaianne A E Bell

Genetics 61(2,PT 2,SUPPL):S11

1969 442.8 G28

Cytoplasm, Drosophila melanogaster, Genes, Insect genetics.

8225-69

THE EMBRYOGENESIS OF THE LARVAL HEAD OF SIMULIUM VENUSTUM SAY (DIPTERA: NEMATOCERA).

D A Craig

Can J Zool 47(4):495-503 REF

Jul 1969 470 C16D

Diptera, Embryology, Insect eggs, Insect genetics, Insect morphology, Insect physiology, Larvae, Simulium venustum.

8226-69

THE INFLUENCE OF LINKAGE PHASE ON RECOMBINATION RATES IN TRIBOLIUM.

D C Englert

Genetics 61(2,PT 2,SUPPL):S16

1969 442.8 G28

Insect genetics, Sex, Statistical analysis, Temperature, Tribolium castaneum.

8227-69

GENETIC AND ENVIRONMENTAL VARIABILITY FOR BRISTLES IN DROSOPHILA.

L C Erway

Genetics 61(2,PT 2,SUPPL):S17

1969 442.8 G28

Chromosomes, Drosophila, Insect genetics, Larvae, Population, Temperature.

8228-69

THE EVOLUTION AND GENETICS OF INSECT BEHAVIOUR.

A W Ewing A Manning

Annu Rev Entomol 12:471-494 REF

1967 421 AN72

Bces, Drosophila, Evolution, Gryllidae, Insect behavior, Insect genetics, Lepidoptera, Trichoptera.

8229-69

PRELIMINARY LABORATORY STUDY OF THE EFFECT OF X RAYS ON THE FERTILITY OF CARPOCAPSA POMONELLA (LASPEYRESIA POMONELLA L.). (FR)

A Fossati J Stahl M Baggolini R Murbach

Schweiz Entomol Ges Mitt 40(3/4):263-269 REF

15 Apr 1968 420 SW6

Biological control (insects), Dosage, Fertility, Gamma rays, Insect genetics, Insect pests, Laspeyresia pomonella, Olethreutidae, Radiation, Sterilization, X-rays.

8230-69

HETEROZYGOSITY IN INBRED LINES OF TRIBOLIUM CASTANEUM.

R Goodwill F D Enfield

Genetics 61(2,PT 2,SUPPL):S21-S22

1969 442.8 G28

Insect genetics, Population, Tribolium castaneum.

8231-69

CARNITINE ACETYLTRANSFERASE IN DEVELOPING AND MATURE SPERM OF WILD-TYPE AND MUTANT DROSOPHILA MELANOGASTER.

B W Greer R W Newburgh

Genetics 61(2,PT 2,SUPPL):S19-S20

1969 442.8 G28

Carnitine, Drosophila melanogaster, Enzymes, Insect biochemistry, Insect mutation, Insect physiology, Spermatzoa.

8232-69

INDUCTION OF DUPLICATIONS OF GENES WHICH SPECIFY ENZYMES IN DROSOPHILA MELANOGASTER.

E H Grell

Genetics 61(2,PT 2, SUPPL):S23

1969 442.8 G28

Drosophila melanogaster, Enzymes, Genes, Insect genetics.

8233-69

STERILITY, LETHALITY AND SEGREGATION RATIOS IN XYY MALES OF DROSOPHILA MELANOGASTER.

R F Grell

Genetics 61(2,PT 2,SUPPL):S23-S24

1967 442.8 G28

Drosophila melanogaster, Insect genetics, Mortality, Sex, Sterility.

8234-69

EVIDENCE FOR A TRANSPOSABLE ELEMENT WHICH CAUSES REVERSIBLE GENE INACTIVATION IN DROSOPHILA MELANOGASTER.

B H Judd

Genetics 61(2,PT 2,SUPPL):S29

1969 442.8 G28

Drosophila melanogaster, Genes, Insect genetics.

8235-69

THE COMPLEMENTATION MAP OF MUTATIONS IN A SMALL REGION OF THE X-CHROMOSOME OF DROSOPHILA MELANOGASTER.

T C Kaufman M W Shen B H Judd

Genetics 61(2,PT 2,SUPPL):S30-S31

1969 442.8 G28

Chromosomes, Drosophila melanogaster, Ethyl methanesulfonate, Insect genetics, Insect mutation, Mutagens, X-rays.

8236-69

RECIPROCAL FERTILITY AMONG FIVE POPULATIONS OF ANOPHELES ALBIMANUS.

W J Keppler J B Kitzmiller

Genetics 61(2,PT 2,SUPPL):S31

1969 442.8 G28

Anopheles albimanus, Fertility, Insect genetics, Population.

8237-69

ULTRASTRUCTURAL STUDY OF HYBRID STERILITY IN DROSOPHILA PAULISTROM.

R P Kernaghan L Ehrman

Genetics 61(2, PT 2,SUPPL):S31

1969 442.8 G28

Drosophila paulistrom, Insect genetics, Insect physiology, Sterility.

8238-69

THE SYNAPTOMERE-ZYGOSOME-RECOMBINASE HYPOTHESIS OF MEIOTIC CROSSING OVER IN DROSOPHILA.

R C King

Genetics 61(2,PT 2,SUPPL):S32

1969 442.8 G28

Drosophila, Enzymes, Insect genetics, Meiosis.

8239-69

LAMPBRUSH CHROMOSOMES AND MULTIPLE NUCLEOLI OF ORTHOPTERA. (GE)

W Kunz

Chromosoma 21(4):446-462

ENTOMOLOGY

8240-69

06 Jun 1967 442.8 C46

Chromosomes, Cytology, Insect genetics, Meiosis, Orthoptera. English abstract.

8240-69

GENETIC CONTROL OF A SEX INFLUENCED QUANTITATIVE TRAIT IN *TRIBOLIUM CASTANEUM*.

E L Lange A E Bell

Genetics 61(2,PT 2,SUPPL):S35

1969 442.8 G28

Chromosomes, Insect genetics, Sex, *Tribolium castaneum*.

8241-69

INHERITANCE OF SEMI-STERILITY AND TRANSMISSION OF CHROMOSOME REARRANGEMENTS AND FRAGMENTS FOR 3 GENERATIONS IN THE LARGE MILKWEED BUG.

L E LaChance M Degrugillier

Genetics 61(2,PT 2,SUPPL):S34

1969 442.8 G28

Chromosomes, Insect genetics, *Oncopeltus fasciatus*, Sterility, X-rays.

8242-69

THE SEMISPECIES AND THE TRANSITIONAL POPULATIONS OF *DROSOPHILA PAULISTORUM*.

E Lee O Pavlovsky Th Dobzhansky

Genetics 61(2,PT 2,SUPPL):S15

1969 442.8 G28

Drosophila paulistorum, Insect genetics, Population, Zoogeography.

8243-69

IN VITRO GROWTH OF THE INFECTIVE AGENT RESPONSIBLE FOR THE SEX RATIO CONDITION IN *DROSOPHILA BIFASCIATA*.

E A Leventhal

Genetics 61(2,PT 2,SUPPL):S36

1969 442.8 G28

Drosophila, Insect genetics, Sex, Tissue culture.

8244-69

GENETIC VARIABILITY AND COMPETITIVE PERFORMANCE IN SPECIES OF *DROSOPHILA*.

B R Levin

Genetics 61(2,PT 2,SUPPL):S36-S37

1969 442.8 G28

Drosophila, Insect behavior, Insect genetics.

8245-69

CHROMOSOME ABERRATIONS ASSOCIATED WITH RECESSIVE SEX-LINKED LETHALS INDUCED BY TWO ALKYLATING CHEMICALS IN MATURE SPERMATOCYTES OF *DROSOPHILA*.

J K Lim L A Snyder

Genetics 61(2,PT 2,SUPPL):S37

1969 442.8 G28

Chromosomes, Cytogenetics, *Drosophila*, Lethal factor, Mutagens.

8246-69

MULTIPLE PHENE VARIATION OF A PLEIOTROPIC GENE OF *DROSOPHILA MELANOGASTER*.

J C Lucchesi W L Bischoff

Genetics 61(2,PT 2,SUPPL):S37-S38

1969 442.8 G28

Drosophila melanogaster, Genes, Insect genetics.

8247-69

PHENOTYPIC POLYMORPHISM IN *APHIDIUS SMITHI* SHARMA SUBBA RAO (HYMENOPTERA, APHIDIIDAE).

M Mackauer

Entomophaga 13(4):281-287

1968 421 EN835

Aphidius smithi, Insect genetics, Polymorphism.

8248-69

DETECTION AND PARTIAL CHARACTERIZATION OF A CROSSOVER SUPPRESSOR ON CHROMOSOME V OF THE HOUSE FLY.

I C McDonald

BIBLIOGRAPHY

Genetics 61(2,PT 2,SUPPL):S39-S40

1969 442.8 G28

Chromosomes, Insect genetics, *Musca domestica*.

8249-69

GENETIC MAPPING OF BEHAVIORAL MUTANTS IN *DROSOPHILA MELANOGASTER* BY COUNTERCURRENT DISTRIBUTION.

J R Merriam S Benzer

Genetics 61(2,PT 2,SUPPL):S40

1969 442.8 G28

Drosophila melanogaster, Ethyl methanesulfonate, Insect behavior, Insect genetics, Statistical analysis.

8250-69

CAFFEINE AND RADIATION INDUCED MUTATIONS IN *DROSOPHILA MELANOGASTER*.

S Mittler M M Callaghan

Genetics 61(2,PT 2,SUPPL):S41

1969 442.8 G28

Caffeine, *Drosophila melanogaster*, Insect genetics, Mutagens, X-rays.

8251-69

CYTOGENETIC EFFECTS OF HYDROGEN FLUORIDE ON *DROSOPHILA MELANOGASTER*.

A H Mohamed P A Kemner

Genetics 61(2,PT 2,SUPPL):S41-S42

1969 442.8 G28

Cytogenetics, *Drosophila melanogaster*, Hydrofluoric acid, Mutagens.

8252-69

EFFECTS OF CONTROLLED HETEROZYGOSIS ON VIABILITY IN *DROSOPHILA MELANOGASTER*.

R Moree

Genetics 61(2,PT 2,SUPPL):S42

1969 442.8 G28

Drosophila melanogaster, Insect genetics, Polymorphism, Population, Viability.

8253-69

RELATION BETWEEN HOMOZYGOUS VIABILITY AND AVERAGE DOMINANCE IN *DROSOPHILA MELANOGASTER*.

N E Morton C S Chung L D Friedman

Genetics 60(3):601-614 REF

Nov 1968 442.8 G28

Chromosomes, *Drosophila melanogaster*, Insect genetics.

8254-69

NATURAL SELECTION ON THE DEGREE OF DOMINANCE OF VIABILITY POLYGENES IN *DROSOPHILA MELANOGASTER*.

T Mukai

Genetics 61(2,PT 2,SUPPL):S42

1969 442.8 G28

Dominance, *Drosophila melanogaster*, Insect genetics, Natural selection, Population.

8255-69

GENETIC AND ENVIRONMENTAL INFLUENCES UPON THE VIABILITY OF *DROSOPHILA MELANOGASTER* METAFEMALES.

J C Neeley

Genetics 61(2,PT 2,SUPPL):S43

1969 442.8 G28

Drosophila melanogaster, Insect ecology, Insect genetics, Sex, Viability.

8256-69

X-RAY INDUCED REVERSAL OF HETEROCHROMATIZATION IN MALE MEALY BUGS.

U Nur

Genetics 61(2,PT 2,SUPPL):S44

1969 442.8 G28

Chromosomes, Cytogenetics, Meiosis, Pseudococcidae, X-rays.

8257-69

MATERNAL INFLUENCE OF THE OUHI STRUCTURAL GENE OF OCTANOL DEHYDROGENASE IN INTRA- AND INTERSPECIFIC HYBRIDS OF *D. METZII*, *D. PELLEWAE*, AND *D. LETICIAE*.

S B Pipkin T Bremner

Genetics 61(2,PT 2,SUPPL):S48

1969 442.8 G28

Drosophila, Electrophoresis, Enzymes, Hybrids, Insect genetics.

8258-69

CHROMOSOME INTERACTIONS AFFECTING MATING SPEED IN *DROSOPHILA ROBUSTA*.

S Prakash

Genetics 60(3):589-600

Nov 1968 442.8 G28

Chromosomes, *Drosophila robusta*, Hormones, Insect behavior, Insect genetics, Sex behavior.

8259-69

ON THE ARRANGEMENT OF GENES OF 28S AND 18S RIBOSOMAL RNA'S IN *DROSOPHILA MELANOGASTER*.

G Quagliarotti F M Ritossa

J Molec Biol 36(1):57-69 REF

28 Aug 1968 442.8 J8224

Breeding, Cell nucleus, Chromosomes, Columns (process), *Drosophila melanogaster*, Extracts, Genes, Insect genetics, Ribonucleic acid, Ribosomes, Tables (data).

8260-69

THE POPULATION GENETICS OF INSECT INTRODUCTION.

C L Remington

Annu Rev Entomol 13:415-426 REF

1968 421 AN72

Drosophila, Insect evolution, Insect genetics, Population.

8261-69

THE EMBRYOLOGY OF *LYTTA VIRIDANA* LE CONTE (COLEOPTERA: MELOIDAE). IV. CHROMATIN ELIMINATION.

J G Rempel N S Church

Can J Zool 47(3):351-353 REF

May 1969 470 C16D

Chromatin, Embryology, Insect genetics, *Lytta viridana*, Meloidae, Photomicrography.

8262-69

CHROMOSOMES OF THE TSETSE FLY, *GLOSSINA PALPALIS* R.-D..

K Riordan

Parasitology 58(4):835-838 REF

Nov 1968 448.8 P21

Chromosomes, *Glossina palpalis*, Insect genetics, Insect taxonomy.

8263-69

ASSOCIATION OF SOMATIC CELL LESIONS WITH 3-BROMODEOXYRIBIDINE INCORPORATION IN ONA OF *DROSOPHILA*.

R M Rizki T M Rizki

Genetics 61(2,PT 2,SUPPL):S50

1969 442.8 G28

Autoradiography, Cytogenetics, *Drosophila melanogaster*, Insect biochemistry, Insect genetics.

8264-69

QUANTITATIVE DETERMINATION OF DNA CONTENT DURING FORMATION OF ONE OF THE PUFFS AND ONE OF THE BALBIANI RINGS IN *CHIRONOMUS DORSALIS*. (RUS)

T E Sebeleva

Tsitologiya 10(6):765-769 REF

1968 442.8 T78

Chironomus dorsalis, Chromosomes, Deoxyribonucleic acid, Diptera, Insect genetics, Quantitative analysis, Synthesis, Yolk nucleus. English summary.

8265-69

NON-RANDOM MATING IN *TRIBOLIUM CASTANEUM*.

P Sinnock

Genetics 61(2,PT 2,SUPPL):S55

1969 442.8 G28

Insect behavior, Insect genetics, Sex behavior, *Tribolium castaneum*.

8266-69

DEVELOPMENTAL TIME OF GEOGRAPHICAL POPULATIONS OF TRIBOLIUM CASTANEUM.

M Soliman M Hani R T Hardin
Genetics 61(2,PT 2,SUPPL):S56

1969 442.8 G28

Insect physiology, Population, Tribolium castaneum, Zoogeography.

8267-69

THE SS RNA GENES OF DROSOPHILA MELANOGASTER.

K D Tartof R P Perry
Genetics 61(2,PT 2,SUPPL):S58

1969 442.8 G28

Drosophila melanogaster, Electrophoresis, Insect genetics, Ribonucleic acid.

8268-69

NEW DATA ON NONDISJUNCTION OF THE X CHROMOSOMES IN FEMALES OF DROSOPHILA MELANOGASTER.

C Tokunaga
Genetics 61(2 PT 2,SUPPL):S58-S59

1969 442.8 G28

Chromosomes, Drosophila melanogaster, Insect genetics, Insect rearing.

8269-69

GENETIC CONTROL OF THE ISO-ACCEPTING FORMS OF TYROSYL-TRNA IN A SUPPRESSOR OF DROSOPHILA MELANOGASTER.

D R Twarozik E H Grell K B Jacobson
Genetics 61(2,PT 2,SUPPL):S59

1969 442.8 G28

Chromatography, Drosophila melanogaster, Enzymes, Insect biochemistry, Insect genetics, Ribonucleic acid.

8270-69

GENETIC AND PHYSIOLOGICAL EFFECTS OF ETHYLENIMINE IN HABROBRACON FEMALES.

L R Valcovic D S Grosch
Genetics 61(2,PT 2,SUPPL):S60

1969 442.8 G28

Chromosomes, Ethylenimine, Habrobracon, Insect genetics, Insect physiology, Mutagens.

8271-69

MALE DETERMINING FACTORS FOUND ON 3 AUTOSOMES IN THE HOUSE FLY, MUSCA DOMESTICA L.

D E Wagoner
Genetics 61(2,PT 2 SUPPL):S61

1969 442.8 G28

Chromosomes, Insect genetics, Musca domestica, Sex.

MEDICAL ENTOMOLOGY

8272-69

THE SUSCEPTIBILITY OF CULEX PIPIENS MOLESTUS FORSKAL IN ISRAEL TO SEVERAL INSECTICIDES IN 1958-1960 AND IN 1965.

A Barkai Z Saliternik P Rosen
Mosquito News 27(2):191-198 REF

Jun 1967 421 M85

Chemical control (insects), Culex, Diazinon, Dieldrin, DDT, Fenthion, Insecticide resistant insects, Lindane, Malathion.

Abstract: During 1958-1960, larval populations were tested for their susceptibility to DDT, dieldrin, lindane and malathion, whereas adult female populations were tested only for DDT resistance. The 1965 survey included additional tests of larval populations with diazinon and fenthion and of adult female populations with dieldrin and malathion.

8273-69

PRACTICAL IMPORTANCE OF INSECTICIDE RESISTANCE FOR MALARIA ERADICATION IN TROPICAL AFRICA. (FR)

J Coz J Hamon
Entomol Med Cahiers (1):27-37 MAP REF

Dec 1963 SB931.A1O3

Anopheles, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT, Human diseases, Insect vectors, Insecticide resistant insects, Lindane, Malaria, Medical entomology. English and Spanish summaries.

8274-69

MOSQUITO CONTROL IN AND AROUND HOMES AND FARMSTEADS.

B H Kantack W L Berndt
S Dak State Univ Ext Mineogr Circ 444:2P

Apr 1969 275.29 SO85FS

Aedes vexans, Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Culex tarsalis, Culicidae, Cultural control (insects), Dichlorvos, Insect pests, Insect physiology, Insect repellents, Insect vectors, Insecticide aerosols, Insecticides, Malathion, Methoxychlor, Organophosphorus compounds, Pyrethrum, Ultra-low-volume spraying.

8275-69

TECHNICAL PROBLEMS OF MALARIA ERADICATION IN AFRICA. (FR)

J Mouchet J Hamon
Entomol Med Cahiers (1):39-48 REF

Dec 1963 SB931.A1O3

Anopheles funestus, Anopheles gambiae, Chlorinated hydrocarbons, Disease transmission, DDT, Eradication, Human diseases, Insect vectors, Insecticide resistant insects, Malaria, Medical entomology. English and Spanish summaries.

8276-69

ENTOMOLOGICAL FACTORS IN PERSISTING TRANSMISSION OF MALARIA IN ERADICATION PROGRAMS. (FR)

J Mouchet
Entomol Med Cahiers (1):17-26 REF

Dec 1963 SB931.A1O3

Anopheles, Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, Disease transmission, DDT, Eradication, Human diseases, Insect vectors, Insecticide resistant insects, Insecticides, Malaria, Medical entomology. English and Spanish summaries.

CROP PROTECTION

8277-69

METHODS OF CONTROLLING BACTERIA, FUNGI, NEMATODES AND WEED PESTS WITH TETRAHALOXYBENZAMIDES. PATENT 3,459,534.

E Dorfman E D Weil
Us Patent Office Offic Gaz 865(1),178

05 Aug 1969 156.65 OF2

Benzamides, Chemical control (pests), Patents, Pesticides.

8278-69

A BLACK MILDEW, OF THE GENUS DIPOROTHECA, FOUND ON ROOTS OF NICOTIANA TABACUM IN CONNECTICUT.

G S Taylor
Plant Dis Rep 53(1):85-86

Jan 1969 1.9 P69P

Black mildew, Diporotheca rhizophila, Fungus diseases (plants), Heterodera tabacum, Mycelium, Plant nematodes, Roots, Solanaceae, Tobacco.

DISEASES

8279-69

INFLUENCE OF SOIL STERILIZATION MEASURES ON THE MYCORRHIZA OF FOREST PLANTS. (I.). (GE)

F Afscharpour E Retzlaff F H Meyer
Nachrichtenbl Deut Pflanzenschutzdienstes 19(1):4-6

Jan 1967 442.9 B832

Forests, Fumigants, Fungicides, Fungus diseases (plants), Mycorrhiza, Plant protection, Plants, Soil sterilization, Tree diseases.

8280-69

DISEASES OF TEA, COFFEE AND RUBBER DISCUSSED AT THE FIRST INTERNATIONAL CONGRESS OF PLANT PATHOLOGY.

V Agnihotrudu
Cur Sci 38(6):127-130

20 Mar 1969 475 SC123

Chemical control (plant diseases), Coffee, Fungus diseases (plants), Rubber, Symposia, Tea.

8281-69

VIRUSES-AGENTS OF DISEASE.

Anonymous
Chem Cour 1:12-14

1969 421 C42

Crop yields, Dimethyl-S-(2-oxo-3-aza-butyl)-phosphorothioate, O,O-, Disulfoton, Ethylsulfenyl)ethyl) O,O-dimethyl phosphorothioate, S-(2-i, Systemic insecticides, Tobacco mosaic virus, Virus diseases (plants).

8282-69

PIRICULARIA ORYZAE, A PROBLEM COMMON TO RICE GROWING COUNTRIES.

Anonymous
Chem Cour 1:4-6

1969 421 C42

Blast, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Nitrogen, Organophosphorus compounds, Phenylmercuric acetate, Piricularia oryzae, Plant diseases, Rice.

HINOSAN, an organophosphate fungicide, provides effective control.

8283-69

ALTERNARIA SEED INFECTION OF WHEAT.

T P Bhowmik
Plant Dis Rep 53(1):77-80 REF

Jan 1969 1.9 P69P

Alternaria tenuis, Alternaria trititica, Black point, Fungus diseases (plants), Helminthosporium, Helminthosporium sorokinianum, Mycelium, Rainfall, Seedlings, Stemphylium, Wheat.

8284-69

NOTES ON FUNGI RESPONSIBLE FOR THE DECAY OF HICKORY NUTS.

P E Bostick
Mycologia 60(4):978-980 REF

Jul 1968 450 M99

Carya glabra, Decay, Fruit, Fungus diseases (plants), Mycology, Nuts, Penicillium.

8285-69

HYDROXAMATE CARBAMATES AS NEMATOCIDES. PATENT 3,459,866.

J B Buchanan
Us Patent Office Offic Gaz 865(1):232

05 Aug 1969 156.65 OF2

Carbamates, Chemical control (plant diseases), Methyl O-(methylcarbamyl)thiolacetohydroxamate, Nematocides, Patents.

8286-69

SAVE YOUR POTATO CROP FROM FUNGAL AND BACTERIAL DISEASES.

D S Chahal N Singh
Prog Farning 4(6):21-23

Jul 1968 S19.P8

Alternaria solani, Bacterial diseases (plants), Bacterial soft rot, Bactericides, Black scurf, Blackleg (potatoes), Bordeaux mixture, Brown rot, Chemical control (plant diseases), Copper oxychloride, Cultural control (plant diseases), Early blight, Er-

winia, Formaldehyde, Fungicides, Fungus diseases (plants), Late blight, Mercury chloride, Phytophthora infestans, Plant disease control, Plant diseases, Potatoes, Pseudomonas solanacearum, Rhizoctonia solani, Thiocarbamates, Tubers, Zinc.

8287-69

USE OF CACAO POD FOR RECOVERING PHYTOPHTHORA SPECIES PATHOGENIC TO HEVEA BRASILIENSIS.

K H Chee K M Foong

Plant Dis Rep 52(1):5

Jan 1968 1.9 P69P

Cacao, Fungus diseases (plants), Hevea brasiliensis, Necrosis, Phytophthora meadli, Phytophthora palmivora.

8288-69

CONTROL OF BACTERIAL SPOT OF PEACH IN NEW JERSEY.

R H Daines

Plant Dis Rep 53(1):81-83

Jan 1969 1.9 P69P

Antibiotics, Bacterial diseases (plants), Bacterial spot, Chemical control (plant diseases), Fungicides, Insecticides, Oxytetracycline, Peaches, Xanthomonas pruni.

8289-69

NEW SPECIES OF CERATOCYSTIS ASSOCIATED WITH BARK INJURIES ON DECIDUOUS FRUIT TREES.

J E DeVay R W Davidson W J Moller

Mycologia 60(3):635-641 REF

May 1968 450 M99

Bark diseases, Canker, Ceratocystis alba, Ceratocystis californica, Fruit, Fungus diseases (plants), Morphology, Mycology, Plant diseases, Trees.

8290-69

TOBACCO MOSAIC VIRUS IN DIVIDING MESOPHYLL CELLS OF NICOTIANA.

K Esau R H Gill

Virology 38(3):464-472 REF

Jul 1969 448.8 V81

Chromosomes, Cytology, Leaves, Mitosis, Mosaic, Parenchyma tissue, Tobacco, Tobacco mosaic virus, Virology, Virus diseases (plants).

8291-69

PLANT DISEASES AND THEIR CHEMICAL CONTROL.

E Evans

2-288

1968 SB601.E9

Chemical control (plant diseases), Fungicides, Pesticide application, Plant diseases, Plant physiology, Plant taxonomy, Seed treatment.

8292-69

AN ELECTRON MICROSCOPY STUDY OF THE PENETRATION OF TOBACCO MOSAIC VIRUS INTO LEAVES FOLLOWING EXPERIMENTAL INOCULATION.

F M Gerola M Bassi M A Favali E Betto

Virology 38(3):380-386 REF

Jul 1969 448.8 V81

Cowpeas, Electron microscopy, Immunization, Leaves, Mosaic, Tobacco mosaic virus, Virology, Virus diseases (plants).

8293-69

TOMATO VIRUS DISEASES IN CLOSED AND OPENED SOIL OF THE ESTONIAN SSR. (RUS)

M Goldin S Villemson

Akad Nauk Est Ssr Izv Ser Biol 16(2):107-114

REFS

1967 442.9 AK18

Surveys, Tobacco mosaic virus, Tomatoes, Virus diseases (plants). English and Estonian abstracts.

8294-69

OCCURRENCE OF CRYPTOSTROMA CORTICALE IN NORTHWESTERN UNITED STATES.

H Goree

Plant Dis Rep 53(1):87

Jan 1969 1.9 P69P

Acer pseudoplatanus, Ceratocystis coerulea, Conidia, Cryptostroma corticale, Epidemiology, Fungus diseases (plants), Sooty bark.

8295-69

IDENTIFICATION OF VIRUSES ISOLATED FROM COWPEAS IN ALABAMA.

A N Harrison R T Gudauskas

Plant Dis Rep 52(1):34-36 REF

Jan 1968 1.9 P69P

Beans, Chlorosis, Cowpeas, Cucumbers, Epidemiology, Mosaic, Mottle, Virology, Virus diseases (plants), Yellow mosaic.

8296-69

NECK ROT IN ONIONS.

D Hodge

S Australia J Agr 72(5):157-160

Dec 1968 23 S084

Botrytis allii, Chemical control (plant diseases), Copper sulfate, Fertilizers, Fungicides, Fungus diseases (plants), Maneb (zinc ion), Neck rot, Onions, Plant diseases, Thiocarbamates, Zinc propylenebis(dithiocarbamate).

8297-69

BACTERIAL TOP AND STALK ROT DISEASE OF CORN IN WISCONSIN.

P E Hoppe A Kelman

Plant Dis Rep 53(1):66-70 REF

Jan 1969 1.9 P69P

Bacterial diseases (plants), Corn, Erwinia carotovora, Erwinia chrysanthemi, Irrigation, Plant physiology, Rot, Stalk rot.

8298-69

A BOLL ROT OF COTTON CAUSED BY ERWINIA AROIDEAE.

R E Hunter

Plant Dis Rep 52(1):14-16 REF

Jan 1968 1.9 P69P

Achromobacteraceae, Bacillus, Bacterial diseases (plants), Boll rot, Cotton, Erwinia aroideae, Pseudomonas, Xanthomonas malvacearum.

8299-69

DEGRADATION OF TURNIP YELLOW MOSAIC VIRUS BY FREEZING AND THAWING IN VITRO: A NEW METHOD FOR STUDIES ON THE INTERNAL ORGANIZATION OF THE VIRAL COMPONENTS AND FOR ISOLATING NATIVE RNA.

J M Kaper R A Siberg

Virology 38(3):407-413 REF

Jul 1969 448.8 V81

Degradation, Freezing, Mosaic, Proteins, Ribonucleic acid, Temperature, Turnips, Virology, Virus diseases (plants), Yellow mosaic virus.

8300-69

TELIOPORE MORPHOLOGY OF SOME SMUT FUNGI. II. LIGHT MICROSCOPY.

A Khanna M M Payak

Mycologia 60(3):655-662 REF

May 1968 450 M99

Fungi, Microscopy, Morphology, Mycology, Neovossia brachypodii, Neovossia horrida, Neovossia indica, Smuts, Teliospores, Ustilaginales.

8301-69

THE INEFFECTIVENESS OF CYCLOHEXIMIDE AND PHYTOACTIN AS CHEMICAL CONTROLS OF THE BLISTER RUST DISEASE.

C D Leapheart E F Wicker

Plant Dis Rep 52(1):6-10 REF

Jan 1968 1.9 P69P

Antibiotics, Blister rust, Canker, Chemical control (plant diseases), Cronartium ribicola, Cycloheximide, Fungus diseases (plants), Parasitism, Phytoactin, Pinus monticola, Tuberculina maxima.

8302-69

ETHYLENE DIBROMIDE: A POTENT PESTICIDE WITH HIGH MOTAGENIC ACTIVITY.

H V Mallig

Genetics 61(2,PT 2.SUPPL):S39

1969 442.8 G28

Ethylene dibromide, Mutagens, Neurospora crassa, Pesticides.

8303-69

POWDERY MILDEW OF HYDRANGEAS.

A H McCain R H Sciaroni

Pest Contr Oper News 27(10-11,OCT-NOV):17

1967 SB951.A1P4

Chemical control (nematodes), Chemical control (plant diseases), Erysiphe polygoni, Fungicides, Fungus diseases (plants), Hydrangea macrophylla, Nematodes, Plant injuries, Powdery mildew, Rosa, Spraying.

8304-69

BACTERIAL SPOT OF TOMATO IN UNITED ARAB REPUBLIC.

K Y Mickail F Bishay

Plant Dis Rep 53(1):85

Jan 1969 1.9 P69P

Bacterial diseases (plants), Bacterial spot, Epidemiology, Plant quarantine, Seed-borne plant diseases, Seeds, Tomatoes, Xanthomonas vesicatoria.

8305-69

THE EFFECT OF DIPHENAMID ON THE UPTAKE AND DISTRIBUTION OF MACRONUTRIENT ELEMENTS IN CABBAGE.

R B Nashed R D Ilnicki

Northeast Weed Contr Conf Proc 22:500

03 Jan 1968 79.9 N814

Cabbage, Diphenamid, Herbicides, Macronutrients, Roots.

8306-69

CONTROL OF VASCULAR TREE DISEASES WITH TRICHLOROPHENYL ACETIC ACIDS. PATENT 3,458,640.

J S Newcomer E D Weil E Dorfman

Us Patent Office Gaz 864(5):1647

29 Jul 1969 156.65 OF2

Chemical control (plant diseases), Fenac, Patents, Pesticide application, Tree diseases.

8307-69

FLUORESCENT ANTIBODY STAINING OF TOBACCO MOSAIC VIRUS ANTIGEN IN TOBACCO MESOPHYLL PROTOPLASTS.

Y Otsuki I Takebe

Virology 38(3):497-499

Jul 1969 448.8 V81

Antibodies, Antigens, Cells, Fluorescence microscopy, Fluorescent antibody technic, Leaves, Mosaic, Parenchyma tissue, Staining, Tobacco mosaic virus, Virology, Virus diseases (plants).

8308-69

PATHOLOGICAL CHANGES IN THE TRUNK OF PRUNUS ARMENIACA L. AND THEIR RELATIONSHIP TO THE PREMATURE DEATH OF APRICOTS. I. INVESTIGATIONS IN THE AREA OF WOOD STRUCTURE. (GE)

J Paclt

Phytopathol Z 60(3):237-246 REF

Nov 1967 464.8 P562

Apricots, Basidiomycetes, Dieback, Fruit, Fungus diseases (plants), Hyphae, Polyporaceae, Tannins, Toxicity, Trametes, Tree diseases, White rot, Wood decay, Wood destroying fungi, Wood structure. English summary.

8309-69

IN SITU BREAKAGE OF TURNIP YELLOW MOSAIC VIRUS RNA AND IN SITU AGGREGATION OF THE FRAGMENTS. ANALYSIS OF SUCCESSIVE STAGES.

C W A Pley J Talens L Bosch M Mandel

Virology 38(3):371-379 REF

Jul 1969 448.8 V81

Hydrogen-ion concentration, Ribonucleic acid, Sedimentation, Turnips, Vegetables, Virology, Virus diseases (plants), Yellow mosaic, Yellow mosaic virus.

8310-69

AN INTERESTING MODE OF SPORE LIBERATION BY GEORGEFISCHERIA RIVEAE THIRUM. AND NARAS.

- T Raghunath**
Phytopathol Z 60(3):298-300
Nov 1967 464.8 P562
Convolvulaceae, Fungus diseases (plants), *Georgfischeria riveae*, Leavcs, *Rivea hypocrateriformis*, Smuts, Spore dispersal, Ustilaginales. German summary.
- 8311-69**
CONTRIBUTION TO THE ETIOLOGIC STUDY AND CONTROL OF BEET GERM ROTTING. (RUM)
C Raicu A Coiceu
Probl Agr 21(3):65-71
1969 21 R862
Beets, Fungicides, Fungus diseases (plants), Plant disease control, Pythium, Rot, Thiram. English, French and Russian abstracts.
- On the basis of field and laboratory experiments, this paper presents some data concerning the microorganisms frequently isolated from infected beet germs, their role in the rotting process, the effect of some products used to control them and the influence of the respective products on the germinating ability of seeds after a short time. It has been found that among the fungus species infecting the beet germs, *Pythium* was the most important. The best results were obtained by the moist treatment of seeds with tiradin 75.
- 8312-69**
EFFECT OF CRINKLE-SCURF OF CITRUS ON TREE GROWTH, PRODUCTIVITY, AND FRUIT QUALITY.
H J Reitz L C Knorr
Plant Dis Rep 52(1):31-33
Jan 1968 1.9 P69P
Chlorosis, Citrus, Citrus juices, Crinkle, Diagnosis, Oranges, Plant abnormalities, Plant genetics, Plant physiology, Productivity, Psorosis, Quality control, Scurf.
- 8313-69**
PHOSPHO-ACID ESTERS AS FUNGITOXIC AGENTS. PATENT 3,459,857.
H Scheinplug H F Jung G Schrader
Us Patent Office Gaz 865(1):230
05 Aug 1969 156.65 OF2
Chemical control (plant diseases), Fungicides, Organophosphorus compounds, Patents, Rice.
- 8314-69**
RESISTANCE OF STRAWBERRY VARIETIES TO LEAF SCORCH DISEASE.
D H Scott A D Draper J R McGrew I C Haut
Plant Dis Rep 53(1):16-18
Jan 1969 1.9 P69P
Crop varieties, Diplocarpon earliana, Fungus diseases (plants), Helotiales, Leaf scorch, Plant disease resistance, Strawberries.
- 8315-69**
A NEW SYMPTOM OF GUMMY STEM BLIGHT (MYCOSPHAERELLA MELONIS) ON CUCUMBER FRUIT.
W R Sitterly
Plant Dis Rep 52(1):49-51
Jan 1968 1.9 P69P
Cucumbers, Diagnosis, Fungus diseases (plants), Gummy stem blight, *Mycosphaerella melonis*.
- 8316-69**
STUDIES ON THE 5'-TERMINUS OF TURNIP YELLOW MOSAIC VIRUS RNA.
J Suzuki R Haselkorn
J Molec Biol 36(1):47-56 REF
28 Aug 1968 442.8 J8224
Bacteriophages, Chemical control (plant diseases), *Escherichia coli*, Hydrolysis, Kinases, Kinetics, Phosphates, Ribonucleic acid, Turnips, Virus diseases (plants), Yellow mosaic.
- 8317-69**
EVIDENCE OF TRANSOVARIAL PASSAGE OF THE SOWTHISTLE YELLOW VEIN VIRUS IN THE APHID HYPEROMYZUS LACTUCAE.
E S Sylvester
Virology 38(3):440-446 REF
Jul 1969 448.8 V81
Aphididae, *Hyperomyzus lactucae*, Insect vectors, Larvae, Plant disease transmission, *Sonchus*, Virology, Virus diseases (plants), Viviparity, Yellow vein.
- 8318-69**
SEMILIKE FOREST VIRUS TEMPERATURE-SENSITIVE MUTANTS. ISOLATION AND CHARACTERIZATION.
K B Tan J F Sambrook A J D Bellett
Virology 38(3):427-439 REF
Jul 1969 448.8 V81
Antigens, Arboviruses, Protein synthesis, Ribonucleic acid, Semliki Forest virus, Temperature, Virology, Virus diseases (animals), Virus mutation.
- ARTHROPODS**
- 8319-69**
CONTROL OF PADDY STEM BORERS BY CULTURAL PRACTICES.
Baltimore, John Hopkins Press. 369-389 REF
1969 SB608.R559
Crop rotation, Cultural control (insects), Fertilizers, Noctuidae, Pyralidae, Rice, Transplanting.
- 8320-69**
GRAIN APHIDS IN NEW BRUNSWICK. IV. EFFECTS OF MALATHION AND 2,4-D AMINE ON APHID POPULATIONS AND ON YIELDS OF OATS AND BARLEY.
J B Adams M E Drew
Can J Zool 47(3):423-426 REF
May 1969 470 C16D
Amines, Aphididae, Barley, Chemical control (insects), Crop yields, D, 2,4-, Herbicides, Insect pests, Insecticides, *Macrosiphum avenae*, Malathion, Mortality, Oats, Organophosphorus compounds, Phenoxo acid compounds, Reproduction, *Rhopalosiphum padi*.
- 8321-69**
CORN BORER OUTLOOK.
Anonymous
Farm Chem 132(7):40
Jul 1969 57.8 AM3
Carbamates, Carbaryl, Chemical control (insects), Corn, Crop yields, Diazinon, Insect pests, Insect physiology, Insecticides, Organophosphorus compounds, *Ostrinia nubilalis*, Pyraustidae. Experts predict heavy outbreak.
- 8322-69**
FIRE ON FIRE ANTS.
Anonymous
Aerial Appl 7(3):5.8
Apr 1969 333.8 AE8
Chemical control (insects), Chlorinated hydrocarbons, Formicidae, Insect pests, Insecticide application, Insecticides, Mirex, Ovipositors, *Solenopsis saevissima richteri*, Spraying, Venoms, Zoogeography.
- 8323-69**
A HITHERTO UNRECORDED MIDGE GALL OF MYRSINE AUSTRALIS (A. RICH.) ALLAN.
B C Arnold
Pacific Sci 21(1):115-118
Jan 1967 475 P11
Cecidomyiidae, Plant galls, Plant injuries, Plant morphology.
- 8324-69**
DOUBLE YOUR COTTON YIELD BY SPRAYING.
A S Atwal K Singh
Prog Farming 4(6):4-5
Jul 1968 S19.P8
Aleyrodidae, Aphididae, Chemical control (insects), Chlorinated hydrocarbons, Cicadellidae, Cotton, Crop yields, Dimethoate, DDT, Endrin, Ethylthioethyl O,O-dimethyl phosphorodithioate, S-(2-, Formothion, Formulations, Gelechiidae, Insect pests, Insecticide application, Insecticides, Malathion, Organophosphorus compounds, Spraying.
- 8325-69**
THE PRESENCE IN THE VINEYARDS OF THE TESSIN OF A NEARCTIC CICADELLA, NEW FOR SWITZERLAND, SCAPHOIDEUS LITTORALIS BALL (HOMJASSIDAE) A POSSIBLE CARRIER OF YELLOW FLAVESCENCE. (FR)
M Baggiolini V Canevascini R Caccia Y Tencalla G Sobrio
Schweiz Entomol Ges Mitt 40(3/4):270-275
15 Apr 1968 420 SW6
Cicadellidae, *Empoasca flavescens*, Golden flavescence, Grape vineyards, Grapes, Insect biology, Insect morphology, Insect taxonomy, Insect vectors, *Scaphoideus littoralis*, Virus diseases (plants), Zoogeography.
- 8326-69**
NOTE ON THE EFFICIENCY OF PROSPALTELLA PERNICIOSA TOW. IN FRANCE. (FR)
C Benassy H Bianchi H Milaure
Entomophaga 12(3):241-255
1967 421 EN835
Aspidiotus perniciosus, Biological control (insects), Climate, Orchards, Population, *Prosopaltella perniciosi*. English abstract.
- 8327-69**
NEW PERSPECTIVES IN THE CONTROL OF AONIDIELLA AURANTII OF MOROCCO (HOM., DIASPIDIDAE). (FR)
C Benassy G Euvette
Entomophaga 12(5):449-459 MAP
1967 421 EN835
Aphytis, Biological control (insects), Citrus, Diaspididae, Insect rearing, Zoogeography. English abstract.
- 8328-69**
FOREST ENTOMOLOGY.
D Bevan
Great Brit Forest Comm Rep Forest Res 112-115
1968 99.9 G795RE
Aldrin, Benzene hexachloride, Chlorinated hydrocarbons, DDT, Forest insects, Insect control, Insecticides, Malathion, Organophosphorus compounds.
- 8329-69**
CHEMICALS THAT TAKE CARE OF THE MANGO HOPPER.
L J Bhatia
Indian Farming 16(10):16
Jan 1967 22 IN283
Carbaryl, Chemical control (insects), Cicadellidae, DDT, Malathion, Mangoes.
Control of mango leafhoppers in India with DDT, carbaryl and malathion is discussed.
- 8330-69**
AVIAN AND MAMMALIAN PREDATORS OF FOREST INSECTS.
C H Buckner
Entomophaga 12(5):491-501 REF
1967 421 EN835
Birds, Forest insects, Mammals, Natural control (insects).
- 8331-69**
CONTROL OF THE BOLL WEEVIL BY MECHANICALLY DESTROYING FALLEN INFESTED COTTON SQUARES.
E C Burt E P Lloyd D B Smith
J Econ Entomol 62(4):862-865
15 Aug 1969 421 J822
Anthonomus grandis, Azinphosmethyl, Chemical control (insects), Cotton, Cultural control (insects), Dairy equipment, Organophosphorus compounds, Spraying. Flail-type machine can be used until plants heavily fruited.
- 8332-69**
RESTRICTED LOCAL SPREAD OF CURLY TOP IN TOMATOES.
R L Clark
Plant Dis Rep 52(1):17-18
Jan 1968 1.9 P69P

Circulifer tenellus, Curly top, Epidemiology, Insect vectors, Ruga verrucosans, Tomatoes, Virus diseases (plants).

8333-69

OBSERVATIONS ON STROPHOSOMUS MELANOGRAMMUS (FORST.), POLYDRUSUS MARGINATUS STEPH. AND OTIORRHYNCHUS ARMADILLO (ROSSI) (COLEOPTERA CURCULIONIDAE), PESTS OF PSEUDOTSUGA DOUGLASII CARR. IN TUSCANY. (IT)

M V Covassi

Redia (SER 2)50:89-119 REF

1967 421 R241

Curculionidae, Forest insects, Insect pests, Otiorrhynchus, Polydrusus, Pseudotsuga taxifolia, Strophosomus melanogrammus. English summary.

8334-69

NEODIPRION TAEDAE LINEARIS: A SAWFLY PEST OF LOBLOLLY AND SHORTLEAF PINES.

J F Coyne

U S Forest Serv Forest Pest Leaflet 34:4P

May 1968 A423.9 F764

Biological control (insects), Chemical control (insects), Diazinon, Dimethoate, DDT, Insect pests, Neodiprion, Parasitism, Pinus echinata, Plant injuries, Temperature, Viruses.

8335-69

A NUCLEOPOLYHEDROSIS VIRUS IN POPULATIONS OF THE DOUGLAS-FIR TUSSOCK MOTH, HEMEROCAMPA PSEUDOTSUGATA, IN CALIFORNIA.

D L Dahlsten G M Thomas

J Invertebrate Pathol 13(2):264-271 MAP REF

Mar 1969 421 J826

Abies concolor, Hemerocampa pseudotsugata, Mortality, Nuclear polyhedrosis virus, Population, Surveys.

8336-69

CHEMICAL CONTROL OF A SPECIES OF THE FALSE CHINCH-BUG GROUP ON WHEAT AND SUGAR BEETS.

N E Daniels

Tex Agr Exp Sta Progr Rep 2667:2P

Apr 1969 100 T31P (2)

Chemical control (insects), Insect pests, Insecticides, Lygaeidae, Malathion, Nysius ericae, Organophosphorus compounds, Parathion, Sugar beets, Wheat.

8337-69

GREENBUG CONTROL IN GRAIN SORGHUM.

N E Daniels

Tex Agr Exp Sta Progr Rep 2669:2P

Apr 1969 100 T31P (2)

Chemical control (insects), Grain, Insect pests, Insecticides, Methyl parathion, Organophosphorus compounds, Schizaphis graminum, Sorghum.

8338-69

BIOLOGICAL STUDIES ON AMBLYSEIUS ALEYRODIS A PREDATOR OF THE COTTON WHITEFLY (ACARINA, PHYTOSEIIDAE).

E A Elbadry

Entomophaga 13(4):323-329 REF

1968 421 EN835

Bemisia tabaci, Biological control (insects), Cotton, Insect biology, Insect nutrition, Phytoseiidae, Predaceous insects.

8339-69

HOW TO DISTINGUISH ATTACKS BY THE BLACK TURPENTINE BEETLE AND DIORYCTRIA AMATELLA ON SOUTHERN PINES.

C W Fatzinger G L DeBarr

U S Forest Serv Res Note Sc 101:4P

Jan 1969 A99.9 F7623UN

Bark, Dendroctonus terebrans, Dioryctria amatella, Insect identification, Insect pests, Larvae, Phycitidae, Pinus, Pinus elliotii, Pitch, Scolytidae.

8340-69

BIBLIOGRAPHY ON BIOLOGICAL CONTROL. XII. (GE)

J M Franz

Entomophaga 13(1):3-87 REF

1968 421 EN835

Bibliography, Biological control (insects).

8341-69

BIBLIOGRAPHY ON BIOLOGICAL CONTROL. XI. (GE)

J M Franz

Entomophaga 12(1):5-80 REF

1967 421 EN835

Bibliography, Biological control (insects), Insect control.

8342-69

NATURAL ENEMIES OF LASPEYRESIA POMONELLA L. (LEPIDOPTERA, TORTRICIDAE) AND THE EFFECT OF CHEMICAL TREATMENT ON THEIR USEFUL ACTIVITY.

N K Gaprindashvili T N Novitskaya

Entomol Rev 46(1 JAN-MAR):39-42 REF

Mar 1967 421 R322AE

Chemical control (insects), DDT, Laspeyresia pomonella, Natural control (insects).

8343-69

LYCOPERSICON AN SOLANUM SPP. RESISTANT TO THE CARMINE AND THE TWO-SPOTTED SPIDER MITE.

A G Gentile R E Webb A K Stoner

J Econ Entomol 62(4):834-836

15 Aug 1969 421 J822

Lycopersicon, Mites, Plant pest resistance, Solanum, Tetranychus telarius, Tetranychus urticae.

8344-69

THE NATURAL ENEMIES OF THE CHAFF SCALE, PARLATORIA PERGANDII COMSTOCK, IN ISRAEL.

U Gerson

Entomophaga 12(2):97-109 REF

1967 421 EN835

Acarina, Aphelinidae, Aphytis, Cecidomyiidae, Citrus, Coccinellidae, Natural control (insects), Parlatoria pergandii, Population, Predaceous insects, Surveys.

8345-69

CABBAGE LOOPER CONTROL IN FLORIDA - A COOPERATIVE PROGRAM.

G L Greene W G Genung R B Workman E G Kelsheimer

J Econ Entomol 62(4):798-800 REF

15 Aug 1969 421 J822

Cabbage, Carbamates, Chemical control (insects), Chlorinated hydrocarbons, DDT, Feltia subterranea, Organophosphorus compounds, Plutella maculipennis, Spraying, Trichoplusia ni.

8346-69

RESIDUES OF DIAZINON ON FIELD CORN TREATED WITH GRANULAR, CAPSULAR, AND ULV FORMULATIONS FOR CONTROL OF THE EUROPEAN CORN BORER.

J A Harding C Corley M Beroza W G Lovely

J Econ Entomol 62(4):832-833

15 Aug 1969 421 J822

Chemical control (insects), Diazinon, Formulations, Insecticide application, Organophosphorus compounds, Ostrinia nubilalis.

8347-69

HOW TO CONTROL INSECTS ON FIELD TOBACCO.

W C Harding F P Harrison

Md Univ Ext Fact Sheet 123:4P

Mar 1969 275.29 M36FA

Carbamates, Chemical control (insects), Chlorinated hydrocarbons, Elateridae, Epitrix hirtipennis, Formulations, Insect identification, Insect pests, Insecticide application, Insecticides, Myzus persicae, Noctuidae, Organophosphorus compounds, Sphingidae, Spraying, Tobacco, Tortricidae.

8348-69

EXPERIMENTS ON THE INSECTICIDAL CONTROL OF OXYCANUS FUSCOMACULATUS WALKER (LEPIDOPTERA: HEPALIDAE).

R J Hardy

Tasmanian J Agr 39(2):135-137

May 1968 23 T182T

Chemical control (insects), Chlorinated hydrocarbons, DDT, Ethyl O-2,4,5-trichlorophenyl ethylphosphonothioate, O-, Fenthion, Insecticides, Organophosphorus compounds, Trichlorfon.

Oxycanus fuscomaculatus was most successfully and safely controlled with 21 oz. agritox and 18 oz. fenitrothion per acre.

8349-69

RECOGNITION OF A GREENBUG BIOTYPE INJURIOUS TO SORGHUM.

T L Harvey H L Hackerott

J Econ Entomol 62(4):776-779 REF

15 Aug 1969 421 J822

Barley, Grasses, Insect pests, Oats, Plant pest resistance, Rye, Schizaphis graminum, Sorghum, Sorghum vulgare sudanense, Wheat.

8350-69

DISTRIBUTION OF INSECTICIDES SPRAYED BY AIRPLANE ON AN IRRIGATED CORN PLOT. IN: ORGANIC PESTICIDES IN THE ENVIRONMENT; SYMPOSIUM...AMERICAN CHEMICAL SOCIETY, ATLANTIC CITY, N.J., SEPT. 13-15, 1965. ROBERT J. GOULD, ED.

E Hindin D S May G H Dunstan

Advances Chem Ser 60:132-145, REF.

1966 381 AD93

Aerial spraying, Air pollution, Corn, Diazinon, DDT, Ethion, Insecticide residues, Irrigation, Soil contamination, Water pollution.

8351-69

ON THE RATING OF PLANTS AS SOURCES OF POLYPHAGOUS SPECIES OF PLANT LICE (HOMOPTERA: APHIDIDAE). (GE)

I Iglisch

Z Angew Zool 55(4):489-492

1968 449.8 Z36

Aphididae, Insect behavior, Insect nutrition, Plants.

8352-69

THE MAJOR INSECT PESTS OF THE RICE PLANT - PROCEEDINGS OF A SYMPOSIUM OF INTERNATIONAL RICE RESEARCH INSTITUTE, SEPTEMBER, 1964.

Baltimore, John Hopkins Press. 729P REF

1967 SB608.R559

Insect pests, Rice, Symposia.

8353-69

ASSESSMENT OF RICE LOSS CAUSED BY THE RICE STEM BORER.

H Ishikura

Baltimore, John Hopkins Press. 251-264 REF

1967 SB608.R559

Chilo suppressalis, Crop estimates, Crop losses, Larvae, Plant nematodes, Rice, Tryporyza incertulas.

8354-69

TECHNIQUES FOR ASSESSING CROP LOSSES CAUSED BY RICE STEM BORERS IN TROPICAL AREAS.

P Israel T P Abraham

Baltimore, John Hopkins Press. 265-275 REF

1967 SB608.R559

Crop estimates, Crop losses, Pyralidae, Rice.

8355-69

VARIETAL RESISTANCE TO RICE STEM BORERS IN INDIA.

P Israel

Baltimore, John Hopkins Press. 391-403 REF

1967 SB608.R559

Insect behavior, Noctuidae, Plant breeding, Plant pest resistance, Plant propagation, Pyralidae, Rice.

- 8356-69**
DEVELOPMENTS IN INSECTICIDE CONTROL OF THE RICE STEM BORER IN JAPAN.
 A Kawada
Baltimore, John Hopkins Press. 325-334 REF
 1967 SB608.R559
 Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticides, Organophosphorus compounds, Parathion, Pyralidae, Rice.
- 8357-69**
EVALUATION OF FOREST INSECT INFESTATIONS.
 F B Knight
Annu Rev Entomol 12:207-228 REF
 1967 421 AN72
 Bibliography, Evaluation, Forest insects, Insect biology, Insect outbreaks, Population, Statistical analysis.
- 8358-69**
THE APPLICATION OF A POLYHEDRAL NUCLEAR VIRUS FOR THE CONTROL OF LYMANTRIA DISPAR L. LARVAE. (IT)
 A Magnoler
Entomophaga 12(2):199-207 REF
 1967 421 EN835
 Biological control (insects), Nuclear polyhedrosis virus, Porthetria dispar, Quercus. English abstract
- 8359-69**
ACTIVITY OF THE WORKING GROUPS: WORKING GROUP ON SAN JOSE SCALE. (FR)
 G Mathys
Entomophaga 12(1):3-4
 1967 421 EN835
 Aspidiotus perniciosus, Biological control (insects), Conferences, Prospaltella perniciosi, Reports.
- 8360-69**
INFORMATION GATHERED IN THE COURSE OF NINE YEARS OF WORK WITH PROSPALTELLA PERNICIOSI TOW., PARASITE OF THE SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS COMST.). (FR)
 G Mathys E Guignard
Entomophaga 12(3):212-222
 1967 421 EN835
 Aspidiotus perniciosus, Biological control (insects), Climate, Population, Prospaltella perniciosi. English abstract.
- 8361-69**
SOME ASPECTS OF BIOLOGICAL CONTROL OF THE SAN JOSE SCALE (QUADRASPIDIOTUS PERNICIOSUS COMST.) WITH THE HELP OF THE APHELINID PROSPALTELLA PERNICIOSI TOW. (FR)
 G Mathys E Guignard
Entomophaga 12(3):223-234 MAP REF
 1967 421 EN835
 Aspidiotus perniciosus, Biological control (insects), Humidity, Insect biology, Insect control, Insect ecology, Prospaltella perniciosi. English abstract.
- 8362-69**
VARIETAL RESISTANCE TO RICE STEM BORERS IN JAPAN.
 K Munakata D Okamoto
Baltimore, John Hopkins Press. 419-430 REF
 1967 SB608.R559
 Attractants, Carbonyl compounds, Chilo suppressalis, Plant pest resistance, Rice.
- 8363-69**
RICE LEAFHOPPERS.
 S Nasu
Baltimore, John Hopkins Press. 493-523 REF
 1967 SB608.R559
 Chemical control (insects), Chlorinated hydrocarbons, Cicadellidae, DDT, Insect morphology, Insect taxonomy, Malathion, Organophosphorus compounds, Parathion, Rice, Seasonal variation, Virus diseases (plants).
- 8364-69**
THE POSSIBLE ROLE OF BIOTIC FACTORS IN AN INTEGRATED PROGRAM FOR RICE STEM BORER CONTROL.
 J L Nickel
Baltimore, John Hopkins Press. 443-453 REF
 1967 SB608.R559
 Biological control (insects), Cultural control (insects), Predaceous insects, Pyralidae, Rice, Trichogramma.
- 8365-69**
FIFTY YEARS OF RESEARCH ON THE PINK BOLLWORM IN THE UNITED STATES.
 L W Noble
U S D A Agr Handb 357:62P REF
 Mar 1969 1 AG84AH
 Azinphosmethyl, Biological control (insects), Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Cotton, Cotton ginning, Cultural control (insects), DDT, Formulations, Insect biology, Insect pests, Insect rearing, Insect traps, Insecticides, Organophosphorus compounds, Parasitic insects, Pectinophora gossypiella, Plant insect resistance, Predaceous insects, Research, Sterilization.
- 8366-69**
RECENT DEVELOPMENTS IN AND FUTURE PROSPECTS FOR THE CHEMICAL CONTROL OF THE RICE STEM BORER AT IRRI.
 M D Pathak
Baltimore, John Hopkins Press. 335-349
 1967 SB608.R559
 Chemical control (insects), Chilo suppressalis, Chlorinated hydrocarbons, Host specificity, Insect eggs, Larvae, Organophosphorus compounds, Rice.
- 8367-69**
VARIETAL RESISTANCE TO RICE STEM BORERS AT IRRI.
 M D Pathak
Baltimore, John Hopkins Press. 405-418
 1967 SB608.R559
 Insect control, Noctuidae, Plant pest resistance, Pyralidae, Rice.
- 8368-69**
ECOLOGY OF COMMON INSECT PESTS OF RICE.
 M D Pathak
Annu Rev Entomol 13:257-294 REF
 1968 421 AN72
 Chrysomelidae, Cicadellidae, Crop losses, Cultural control (insects), Delphacidae, Insect biology, Insect ecology, Leptocoris varicornis, Lissorhoptrus oryzophilus, Noctuidae, Population, Pyralidae, Rice.
- 8369-69**
INSECTICIDE TREATMENT OF SEED, AS A CONTROL METHOD OF THE MAIZE LEAF WEEVIL (TANYMECUS DILATICOLLIS GYLL.). (RUM)
 F Paulian
Probl Agr 21(1):30-36 REF
 1969 21 R862
 Chemical control (insects), Chlorinated hydrocarbons, Corn, Curculionidae, Diazinon, Dieldrin, Dusting, Heptachlor, Insecticides, Lindane, Organophosphorus compounds, Seed treatment. English, French and Russian abstracts
- 8370-69**
RECENT DEVELOPMENTS IN AND FUTURE PROSPECTS FOR THE CHEMICAL CONTROL OF THE RICE STEM BORER IN INDIA.
 Y S Rao P Israel
Baltimore, John Hopkins Press. 317-324 REF
 1967 SB608.R559
 Benzene hexachloride, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect outbreak forecasting, Larvae, Pyralidae, Rice.
- 8371-69**
THE RICE GALL MIDGE PACHYDIPLOSIS ORYZAE (WOOD-MASON).
 D B Reddy
Baltimore, John Hopkins Press. 457-491 REF
 1967 SB608.R559
 Biological control (insects), Chemical control (insects), Chlorinated hydrocarbons, Cultural control (insects), Insect ecology, Insect physiology, Insect taxonomy, Light traps, Pachyidiplosis oryzae, Rice.
- 8372-69**
SOME RECOMMENDATIONS FOR THE CONTROL OF PERFORATORS OF SEEDS OF ANONACEAE (BEPHRATA SP. ORDER HYMENOPTERA). (SP)
 J A Reyes Q
Agr Trop 23(8):530-531
 Aug 1967 26 AG8
 Chemical control (insects), DDT, Eurytomidae, Insect control, Malathion, Seeds, Trichlorfon.
- 8373-69**
APPLE CHALCID, TORYMUS VARIANS (WLK.), (HYMENOPTERA: TORYMIDAE), IN QUEBEC. (FR)
 I Rivard
Phytoprotection 48(2):68-73 REF
 Jun 1967 464.8 P566
 Apples, Carbaryl, Chalcididae, Chemical control (insects), DDT, Insect eggs, Insect pests, Malathion, Seedlings, Torymus varians. English summary.
- 8374-69**
TOPICAL, FUMIGATION, AND RESIDUAL TOXICITY OF INSECTICIDES TO RICE STEM BORERS.
 T Saito
Baltimore, John Hopkins Press. 279-290 REF
 1967 SB608.R559
 Carbamates, Chilo suppressalis, Chlorinated hydrocarbons, Fumigation, Insecticides, Larvae, Organophosphorus compounds, Residues, Rice.
- 8375-69**
CAN THE DEVELOPMENTAL TRENDS OF BIOLOGICAL PEST CONTROL BE DEMONSTRATED WITH A BIBLIOGRAPHY. (GE)
 H R Simon
Entomophaga 12(1):81-84
 1967 421 EN835
 Bibliography, Biological control (insects), Insect control. English abstract.
- 8376-69**
OVICIDAL EFFICIENCY OF PARATHION AND DIAZIN FOR QUARANTINE TREATMENT OF THE WESTERN TENT CATERPILLAR.
 K G Swenson F L Gambrell H Breitfeld
J Econ Entomol 62(4):875-879
 15 Aug 1969 421 J822
 Diazinon, Dimethoate, Insect eggs, Malacosoma, Malacosoma pluviale, Malathion, Mineral oil, Organophosphorus compounds, Ovicides, Parathion, Plant quarantine.
- 8377-69**
INVESTIGATIONS ON THE BIOLOGY AND CONTROL OF MELOLONTHA MELOLONTHA IN HAZELNUT PLANTATIONS. (TU)
 I Ural
Bitki Koruna Bulteni 8(1):3-38
 Mar 1968 464.8 B542
 Aldrin, Chemical control (insects), DDT, Filberts, Heptachlor, Insect biology, Insect nutrition, Insect pests, Lindane, Melolontha melolontha, Plantations, Sex ratios. English summary.
- 8378-69**
RELEASES OF UNSEXED GAMMA-IRRADIATED CODLING MOTHS FOR POPULATION SUPPRESSION.
 L D White R B Hutt B A Butt
J Econ Entomol 62(4):795-798 REF
 15 Aug 1969 421 J822
 Apples, Azinphosmethyl, Cobalt isotopes, Gamma rays, Insect traps, Laspeyresia pomonella, Organophosphorus compounds, Parathion, Pears, Plant pest control, Sterility.

8379-69

8379-69

THE POSSIBLE CONTROL OF RICE STEM BORERS BY THE USE ON NATURAL ENEMIES.

K Yasumatsu

Baltimore, John Hopkins Press. 431-442 REF
1967 SB608.R559

Anthracoridae, Biological control (insects), Braconidae, Chlorinated hydrocarbons, Ichneumonidae, Insect rearing, Microorganisms, Noctuidae, Parasitic insects, Pyralidae, Rice, Scelionidae.

8380-69

IMPACT OF PARASITES, PREDATORS, AND DISEASES ON RICE PESTS.

K Yasumatsu T Torii

Annu Rev Entomol 13:295-324 REF
1968 421 R272

Araneida, Insect biology, Insecticides, Natural control (insects), Predaceous insects, Rice, Scelionidae, Surveys, Trichogramma.

NEMATODES

8381-69

FIRST OBSERVATIONS ON THE RESISTANCE OF A HYBRID POTATO VARIETY TO SOME ITALIAN POPULATIONS OF HETERODERA ROSTOCHIENSIS WOLL. (IT)

L Ambrogioni

Redia (SER 2)50:75-88
1967 421 R241

Heterodera rostochiensis, Hybrids, Nematode population, Plant nematode resistance, Plant nematodes, Potatoes, Solanum andigenum. English summary.

8382-69

CONTRIBUTION TO THE MIGRATORY BEHAVIOR OF XIPHINEMA DIVERSICAUDUM (MIKOLETZKY) THORNE, X. COXI TAJAN AND LONGIDORUS MACROSONIA HOOPER, AS WELL AS THE DIFFUSION OF RHUBARB MOSAIC VIRUS IN THE FIELD. (GE)

R Fritzsche

Biol Zentralbl 87(4):481-488, REF
Jul 1968 442.8 B523

Humus, Longidorus macrosoma, Mosaic, Plant disease transmission, Plant nematodes, Rhubarb, Sandy soils, Virus diseases (plants), Xiphinema coxi, Xiphinema diversicaudum, Zoogeography. English and German summaries.

8383-69

EFFECT OF ORGANIC AND INORGANIC NITROGEN ON NEMATODE POPULATIONS ON TURF.

C M Heald G W Burton

Plant Dis Rep 52(1):46-48
Jan 1968 1.9 P69P

Ammonium nitrate, Belonolaimus longicaudatus, Chemical control (nematodes), Cynodon dactylon, Grasses, Greenhouse culture, Hypsoperine graminis, Nitrogen, Organic compounds, Plant nematodes, Turf.

8384-69

MULTIPLE APPLICATIONS OF 1,2-DIBROMO-3-CHLOROPROPANE FOR CONTROL OF NEMATODES IN ESTABLISHED ROSE PLANTINGS.

D E Johnson B Lear S T Miyagawa R H Sciaroni

Plant Dis Rep 53(1):34-37
Jan 1969 1.9 P69P

Chemical control (nematodes), Chlorinated hydrocarbons, Dibromo-3-chloropropane, 1,2-, Greenhouse culture, Meloidogyne hapla, Nematocides, Pesticide application, Plant nematodes, Rosa, Xiphinema americanum.

8385-69

NEW DATA ON THE DISTRIBUTION AND BIOLOGY OF THE COUCH GRASS NE-**MATODE (PARANGUINA AGROPYRI KIR-JANOVA, 1955 (NEMATODA: TYLENCHIDA). (ES)**

E Krall H Krall

Akad Nauk Est Str Izv Ser Biol 16(4):370-376
MAP

1967 442.9 AK18

Biology, Plant nematodes, Tylenchidae, Zoogeography. English and Russian abstracts.

8386-69

PATHOGENICITY OF HEMICRICONEMOIDES SPECIES TO COFFEE.

A C Kumar G I D'Souza

Plant Dis Rep 53(1):15-16
Jan 1969 1.9 P69P

Coffee, Helicotylenchus, Hemicriconemoides, Parasitism, Plant nematodes, Plant physiology, Tylenchorhynchus, Xiphinema.

8387-69

OXALIS ACETOSELLA, A NEW HOST OF THE COFFEE ROOT-LESION NEMATODE IN SOUTH INDIA.

A C Kumar H V Shamanna G I D'Souza

Plant Dis Rep 53(1):15
Jan 1969 1.9 P69P

Coffee, Oxalis acetosella, Parasitism, Plant nematodes, Plant pest control, Pratylenchus coffeae, Weeds.

8388-69

CONTRIBUTIONS TO THE KNOWLEDGE OF THE ITALIAN NEMATODE FAUNA. I. GENUS MELOIDOGYNE GOELDI, 1887. (IT)

A M Palmisano

Redia (SER 2)50:381-397 REF
1967 421 R241

Meloidogyne, Meloidogyne arenaria, Meloidogyne hapla, Meloidogyne incognita, Meloidogyne javanica, Plant hosts, Plant nematodes, Taxonomy. English summary.

8389-69

NEMATODES ASSOCIATED WITH SOYBEANS IN ALABAMA, FLORIDA, AND GEORGIA.

R V Rebois E J Cairns

Plant Dis Rep 52(1):40-44 MAP
Jan 1968 1.9 P69P

Parasitism, Plant nematodes, Scutellonema brachyurum, Soil series, Soybeans, Tables (data), Zoogeography.

8390-69

PLANT-PARASITIC NEMATODES IN MARGINAL PINUS PONDEROSA STANDS IN CENTRAL NEW MEXICO.

J W Riffle

Plant Dis Rep 52(1):52-55
Jan 1968 1.9 P69P

Aphelenchoides, Helicotylenchus, Juniperus, Parasitism, Pinus, Pinus ponderosa, Plant nematodes, Tylenchus exiguus, Xiphinema americanum, Zoogeography.

8391-69

HOST-PARASITE RELATIONSHIPS OF VARIOUS PLANTS AND THE HOP CYST NEMATODE, HETERODERA HUMULI.

A K Sen H J Jensen

Plant Dis Rep 53(1):37-40 REF
Jan 1969 1.9 P69P

Cruciferae, Cucurbitaceae, Heterodera humuli, Leguminosae, Moraceae, Plant nematode resistance, Plant nematodes, Vegetables.

WEEDS

8392-69

EFFECT OF PARAQUAT IN THE ESTABLISHMENT OF ALFALFA.

A A Akhavein D L Linscott

Northeast Weed Contr Conf Proc 22:305
03 Jan 1968 79.9 N814

Alfalfa, Chemical control (weeds), Crop yields, Paraquat.

8393-69

HERBICIDAL COMPOSITION AND METHOD EMPLOYING KYLTHIOBENZOTHAZOLES. PATENT 3,455,676.

K N Ayad

864(3):904

15 Jul 1969

Benzothiazole compounds, Chemical control (weeds), Herbicides, Patents.

8394-69

CHEMICAL CLEARING OF TRANSMISSION LINE RIGHT OF WAY IN QUEBEC.

J Baribeau

Northeast Weed Contr Conf Proc 22:334-339
03 Jan 1968 79.9 N814

Bromacil, Chemical control (weeds), Spraying equipment.

8395-69

SOME ECOLOGICAL BENEFITS OF WOODY PLANT CONTROL WITH HERBICIDES.

K C Barrons

Science 165(3892):465-468 REF
01 Aug 1969 470 SCI2

Agricultural policies, D, 2,4-, Economics, Herbicides, Pasture management, Shrubs, Silvex, T, 2,4,5-, Weed control.

8396-69

SOME ECOLOGICAL BENEFITS OF WOODY PLANT CONTROL WITH HERBICIDES.

K C Barrons

Science 165(3892):465-468
01 Aug 1969 470 SCI2

Aerial spraying, D, 2,4-, Defoliant, Forests, Herbicides, Pastures, Pesticide application, Picloram, Silvex, T, 2,4,5-, Toxicology.

8397-69

A THREE YEAR SUMMARY OF WEED CONTROL FOR ESTABLISHMENT OF LEGUME SEEDINGS.

G H Bayer

Northeast Weed Contr Conf Proc 22:306-312
03 Jan 1968 79.9 N814

Alfalfa, Birdsfoot trefoil, Chemical control (weeds), Oats, Phleum, Plant injuries.

8398-69

THE CONTROL OF WILD RADISH IN KATAHDIN POTATOES (1967).

R S Bell S Kenyon W R Hillebrecht

Northeast Weed Contr Conf Proc 22:439-442
03 Jan 1968 79.9 N814

Chemical control (weeds), Potatoes, Raphanus raphanistrum.

8399-69

COMPLEXES OF PHOSPHORUS PENTAFLUORIDE OXIMES AS HERBICIDES. PATENT 3,455,674.

M E Brokke G E Lukes J Hazzard D R Arneklov

Us Patent Office Offic Gaz 864(3):903
15 Jul 1969 156.65 OF2

Chemical control (weeds), Herbicides, Organophosphorus compounds, Oximes, Patents.

8400-69

CHEMICAL CONTROL OF VEGETATION UNDER HIGHWAY GUARDRAILS (1967).

A J Clapham S Kenyon R S Bell

Northeast Weed Contr Conf Proc 22:342-345
03 Jan 1968 79.9 N814

Chemical control (weeds), Herbicides, Roads.

8401-69

HERBICIDE EVALUATION IN SOYBEANS AT GEORGETOWN, DELAWARE, 1967.

R H Cole E L Wisk F J Webb

Northeast Weed Contr Conf Proc 22:473-480
03 Jan 1968 79.9 N814

Chemical control (weeds), Herbicides, Plant injuries, Soybeans, Surface-active agents.

- 8402-69**
CONTROL OF YELLOW ROCKET (BARBAREA VULGARIS) AND OTHER BROADLEAF WEEDS ASSOCIATED WITH ESTABLISHED ALFALFA.
 W L Currey R A Peters
Northeast Weed Contr Conf Proc 22:455-458
 03 Jan 1968 79.9 N814
 Alfalfa, *Barbarea vulgaris*, Chemical control (weeds), Herbicides, *Lychnis alba*, Plant injuries.
- 8403-69**
PRE-HARVEST USE OF CHEMICALS IN POTATO PRODUCTION.
 S L Dallyn D H Fricke
Northeast Weed Contr Conf Proc 22:443-447
 03 Jan 1968 79.9 N814
 Chemical control (weeds), Climbing plants, Crop yields, Herbicides, Potatoes, Storage.
- 8404-69**
CONTROL AND ELIMINATION OF NOXIOUS WEEDS.
 L Derscheid R Parker
S Dak State Univ Ext Mimeogr Circ 448:5P
 May 1969 275.29 S085FS
 Amitrole, Atrazine, *Centaurea repens*, Chemical control (weeds), Chlorinated hydrocarbons, *Cirsium arvense*, *Convolvulus arvensis*, D, 2,4-, Dalapon, *Euphorbia esula*, Formulations, Herbicides, Phenoxy acid compounds, *Sonchus arvensis*, Spraying, T, 2,4,5-, Tillage, Weed control, Weeds.
- 8405-69**
BISPYRIDINIUM COMPOUNDS AS HERBICIDES. PATENT 3,458,305.
 W C Doyle
Us Patent Office Offic Gaz 864(5):1589
 29 Jul 1969 156.65 OF2
 Chemical control (weeds), Herbicides, Paraquat, Patents, Pyridinium compounds.
- 8406-69**
LICORICE-ROOT - DICHLOBENIL MULCH COMBINATION FOR CONTROL OF WEEDS IN BOXWOOD PLANTINGS.
 C W Dunham T A Fretz
Northeast Weed Contr Conf Proc 22:255-258
 03 Jan 1968 79.9 N814
Buxus sempervirens, Chemical control (weeds), Dichlobenil, Mulches.
- 8407-69**
PERFORMANCE OF PREEMERGENCE HERBICIDES IN 1967 ON MERION KENTUCKY BLUEGRASS TURF.
 J H Dunn R E Engel D A Kinney
Northeast Weed Contr Conf Proc 22:392-394
 03 Jan 1968 79.9 N814
 Chemical control (weeds), *Digitaria*, Poa.
- 8408-69**
QUACKGRASS CONTROL ON HEAVY CLAY SOILS.
 T R Flanagan D R Toole
Northeast Weed Contr Conf Proc 22:293
 03 Jan 1968 79.9 N814
 Agropyron repens, Alfalfa, Chemical control (weeds), Clay soils, Corn.
- 8409-69**
FORMULATION STUDIES WITH IOXNYL AND BROMOXNYL. (ABSTRACT).
 C L Foy
Northeast Weed Contr Conf Proc 22:492
 03 Jan 1968 79.9 N814
 Barley, Beans, Bromoxynil, Chemical control (weeds), Crops, Formulations, Ioxynil.
- 8410-69**
A VARIATION OF PLASTIC ENCLOSURE FOR FIELD-TESTING AQUATIC HERBICIDES.
 J E Gallagher W F Evans A R Cooke
Northeast Weed Contr Conf Proc 22:362-365
 03 Jan 1968 79.9 N814
 Aquatic weeds, Dairy equipment, Herbicides.
- 8411-69**
OCCURRENCE OF OROBANCHE CERNUA ON PLUCHEA LANCEOLATA, AN OBNOXIOUS WEED IN RAJASTHAN, INDIA.
 S C Gupta L C Sharma G G Dalela
Plant Dis Rep 53(1):43-44
 Jan 1969 1.9 P69P
 Biological control (weeds), Orobanche, Orobanche cernua, Parasitic plants, Perennial plants, *Pluchea lanceolata*, Weed control, Weeds.
- 8412-69**
CHEMICAL WEED CONTROL IN DIRECT SEEDED MARIGOLDS.
 C Haramaki G Koch
Northeast Weed Contr Conf Proc 22:259-263
 03 Jan 1968 79.9 N814
 Benefin, Chemical control (weeds), Herbicides, Tagetes.
- 8413-69**
CONTROL OF ANNUAL WEEDS IN SPRING-SEEDED ALFALFA WITH PREPLANT, PREEMERGENCE, AND POSTEMERGENCE HERBICIDES.
 R D Illicki H P Wilson
Northeast Weed Contr Conf Proc 22:300-304
 03 Jan 1968 79.9 N814
 Alfalfa, Bromoxynil, Chemical control (weeds), Dichlorophenoxybutyric acid, 4-(2,4-, Diphenamid, Pesticide application.
- 8414-69**
REPORT ON THE CURRENT AND PLANNED LOCAL NOXIOUS WEED CONTROL PROGRAMS IN NEW JERSEY.
 F R Intelisano
Northeast Weed Contr Conf Proc 22:513-517
 03 Jan 1968 79.9 N814
 Ambrosia, Herbicides, Legislation, Spraying, Toxicodendron radicans, Weed control.
- 8415-69**
AMINOPHOSPHONATE HERBICIDES. PATENT 3,455,675.
 R R Irani
Us Patent Office Offic Gaz 864(3):903-904
 15 Jul 1969 156.65 OF2
 Chemical control (weeds), Herbicides, Organophosphorus compounds, Patents.
- 8416-69**
USE OF CHARCOAL TO DEACTIVATE HERBICIDE RESIDUES IN TURFGRASS SEEDBEDS.
 J A Jagschitz
Northeast Weed Contr Conf Proc 22:401-408
 03 Jan 1968 79.9 N814
 Charcoal, Chemical control (weeds), Grasses, Herbicide residues, Seedbeds.
- 8417-69**
EFFECTIVENESS OF PREEMERGENCE CRABGRASS HERBICIDES FOR LAWNS AND PUTTING-GREEN TURF.
 J A Jagschitz
Northeast Weed Contr Conf Proc 22:384-391
 03 Jan 1968 79.9 N814
 Chemical control (weeds), *Digitaria*, Lawns, Turf.
- 8418-69**
CONTRIBUTION TO RISK OF DAMAGE IN THE PRACTICAL USE HERBICIDES. (GE)
 W Kabiersch
Nachrichtenbl Dent Pflanzenschutzdienstes 19(1):1-4 REF
 Jan 1967 442.9 B832
 Chemical control (weeds), Chlorinated hydrocarbons, Herbicides, Plant injuries, Trichloroacetic acid, Trichlorobenzoic acid, 2,3,6-.
- 8419-69**
DIHALOPHENYL-P-NITROPHENYL ETHERS AS HERBICIDES. PATENT 3,454,392.
 K Kato H Fujita T Toyama Y Kiyohisa T Yoshimoto T Yanami
Us Patent Office Offic Gaz 864(2):523
 08 Jul 1969 156.65 OF2
- Chemical control (weeds), Halogen compounds, Herbicides, Patents.
- 8420-69**
NOTES ON DYER'S GREENWEED (GENISTA TINCTORIA L., LEGUMINOSAE).
 L J King
Northeast Weed Contr Conf Proc 22:501-503
 03 Jan 1968 79.9 N814
Genista tinctoria, History, Weeds.
- 8421-69**
TIME OF APPLICATION OF EPTC FOR NUTGRASS CONTROL IN POTATOES.
 H Kuratle E M Rahn
Northeast Weed Contr Conf Proc 22:424-428
 03 Jan 1968 79.9 N814
 Chemical control (weeds), Crop yields, *Cyperus esculentus*, Ethyl N,N-dipropylthiolcarbamate, Potatoes.
- 8422-69**
EFFECTIVENESS OF TRIAZINES AND EPTC FOR WEED CONTROL IN SEEDLING LEGUMES.
 D L Linscott R D Hagin
Northeast Weed Contr Conf Proc 22:299
 03 Jan 1968 79.9 N814
 Alfalfa, Birdsfoot trefoil, Chemical control (weeds), Ethyl N,N-dipropylthiolcarbamate, Triazines, Weed control.
- 8423-69**
CONTROL OF DANDELION AND SPOTTED-SPURGE IN LAWN TURF WITH HERBICIDES.
 A R Mazur J A Jagschitz
Northeast Weed Contr Conf Proc 22:395-400
 03 Jan 1968 79.9 N814
 Chemical control (weeds), *Euphorbia maculata*, Lawns, Pesticide mixtures, *Taraxacum officinale*.
- 8424-69**
FOREST CHEM-THINNING WITH CACODYLIC ACID - A PROGRESS REPORT.
 R R Morrow
Northeast Weed Contr Conf Proc 22:346-348
 03 Jan 1968 79.9 N814
 Cacodylic acid, Defoliants, Forests.
- 8425-69**
POTATO VINE KILLING IN MAINE - 1966.
 H J Murphy M J Goven
Northeast Weed Contr Conf Proc 22:448-454
 03 Jan 1968 79.9 N814
 Climbing plants, Defoliants, Herbicides, Potatoes.
- 8426-69**
METHODS OF CONTROLLING WEEDS WITH DERIVATIVES OF AMINOXY LOWER ALKANOIC ACIDS. PATENT 3,457,063.
 R P Neighbors
Us Patent Office Offic Gaz 864(4):1272
 22 Jul 1969 156.65 OF2
 Chemical control (weeds), Patents, Weed control.
- 8427-69**
CHEMICAL WEED CONTROL IN CROPS.
 R Parker L A Derscheid J F Stritzke C E Stymiest
S Dak State Univ Ext Mimeogr Circ 443:5P
 Apr 1969 275.29 S085FS
 Chemical control (weeds), Chlorinated hydrocarbons, Field crops, Flax, Forage plants, Grain, Grasses, Herbicides, Phenoxy acid compounds, Soybeans, Weed control, Weeds.
- 8428-69**
HERBICIDE TRIALS FOR ANNUAL WEEDS IN SOYBEANS. (ABSTRACT).
 J V Parochetti
Northeast Weed Contr Conf Proc 22:481
 03 Jan 1968 79.9 N814
 Chemical control (weeds), Herbicides, Soybeans.
- 8429-69**
PREEMERGENCE AND POSTEMERGENCE YELLOW FOXTAIL CONTROL IN CORN.
 S M Raleigh

CROP PROTECTION

8430-69

Northeast Weed Contr Conf Proc 22:279-285
03 Jan 1968 79.9 N814
Atrazine, Chemical control (weeds), Corn, Setaria glauca, Surface-active agents.

8430-69

POSTEMERGENCE CONTROL OF VERONICA FILIFORMIS WITH DCPA.

R L Schaur

Northeast Weed Contr Conf Proc 22:518-520
03 Jan 1968 79.9 N814
Chemical control (weeds), Dimethyl 2,3,5,6-tetrachloroterephthalate, Veronica filiformis.

8431-69

FROM WEEDS TO PASTURE IN ONE YEAR.

M A Schwerdt

S Australia J Agr 72(5):184-187
Dec 1968 23 SO84
Chemical control (weeds), Diquat, Fertilizers, Herbicides, Lolium, Paraquat, Pasture management, Pastures, Spraying, Subterranean clover.

8432-69

METHODS OF WEED CONTROL IN SUGAR BEETS.

T W Scott T W Bateman

Northeast Weed Contr Conf Proc 22:466-472
03 Jan 1968 79.9 N814
Chemical control (weeds), Crop yields, Herbicides, Plant injuries, Sugar beets.

8433-69

PELLETED FENURON FOR CONVERSION OF LOW-QUALITY HARDWOOD STANDS TO JAPANESE LARCH.

R D Shipman

Northeast Weed Contr Conf Proc 22:321-328
03 Jan 1968 79.9 N814
Defoliation, Fenuron, Larix leptolepis, Seedlings.

8434-69

PROCESS FOR DESICCATING PLANTS. PATENT 3,454,390.

H Q Smith

Us Patent Office Offic Gaz 864(2):522
08 Jul 1969 156.65 OF2
Defoliation, Herbicides, Patents, Tin compounds.

8435-69

THE RESPONSE OF BRUSH TO PICLORAM, DICAMBA, 2,3,6-TBA AND PHENOXY HERBICIDES.

J P Sterrett W E Chappell

Northeast Weed Contr Conf Proc 22:318-320
03 Jan 1968 79.9 N814
Brush control, Chemical control (weeds), D, 2,4-, Dicamba, Pesticide mixtures, Picloram, T, 2,4,5-, Trichlorobenzoic acid, 2,3,6-.

8436-69

WEED CONTROL IN SUGAR BEETS WITH PREEMERGENCE HERBICIDES.

M F Trevett W Gardner

Northeast Weed Contr Conf Proc 22:459-465
03 Jan 1968 79.9 N814
Chemical control (weeds), Chloro-N-(isobutoxy-methyl)-2',6'-acetoxydide, 2-, Crop yields, Herbicides, Pesticide mixtures, Pyrazon, Sugar beets, Trichloroacetic acid.

8437-69

WEED CONTROL IN WHITE POTATOES WITH PREEMERGENCE HERBICIDES.

M F Trevett W Gardner H J Murphy

Northeast Weed Contr Conf Proc 22:411-416
03 Jan 1968 79.9 N814
Chemical control (weeds), Crop yields, Herbicides, Potatoes.

8438-69

PRELIMINARY STUDIES OF THE EFFECTS OF CACODYLIC ACID ON THE ACTIVITY OF 2,4-D AND PICLORAM IN BEAN PLANTS. (ABSTRACT).

G B Truchelut J W Martin W J Hart

Northeast Weed Contr Conf Proc 22:491
03 Jan 1968 79.9 N814

Cacodylic acid, D, 2,4-, Defoliants, Herbicides, Kidney beans, Picloram, Plant translocation.

8439-69

N-(HYDROCARBYLTHIOALKYL)HALOPH ENOXYACYLAMIDES AS HERBICIDES. PATENT 3,459,533.

W E Weesner

Us Patent Office Offic Gaz 865(1):177
05 Aug 1969 156.65 OF2
Chemical control (weeds), Halogen compounds, Herbicides, Patents.

8440-69

THE EFFECTS OF PHYTOBLAND OILS AND SPRAY VOLUME ON POSTEMERGENCE ACTIVITY OF ATRAZINE AND COMBINATIONS OF ATRAZINE WITH LINURON IN CORN.

H P Wilson R D Ilnicki

Northeast Weed Contr Conf Proc 22:272-278
03 Jan 1968 79.9 N814
Atrazine, Chemical control (weeds), Corn, Linuron, Spraying.

8441-69

WEED AND CROP RESPONSES TO HERBICIDES APPLIED WITH VARIOUS CULTURAL PRACTICES AND AT DIFFERENT STAGES OF POTATO GROWTH.

H P Wilson R D Ilnicki

Northeast Weed Contr Conf Proc 22:429-438
03 Jan 1968 79.9 N814
Chemical control (weeds), Crop yields, Herbicides, Potatoes.

OTHER PESTS

8442-69

NITROPHENYL CARBAMIC ACID ESTERS AS MOLLUSCICIDES. PATENT 3,458,639.

R Heiss E Grigat E Bocker G Hermann

Us Patent Office Offic Gaz 864(5):1647
29 Jul 1969 156.65 OF2
Carbamates, Chemical control (pests), Molluscicides, Patents.

8443-69

REPELLING PHEASANTS FROM SPROUTING CORN WITH A CARBAMATE INSECTICIDE.

R R West R B Brunton D J Cunningham

J Wildlife Manage 33(1):216-219
Jan 1969 410 J827
Carbamates, Corn, Pheasants, Repellency tests.

The protection of sprouting corn from pheasants (Phasianus colchicus) by treating the seed with a new repellent, DRC -736 (4-(methylthio)-3,5-xylyl N-methylcarbamate), was evaluated in May and June, 1967 on the Sand Lake National Wildlife Refuge, South Dakota. The three treatments (0.5 and 3.0 percent DRC-736 and the control) were each evaluated 100 times on 0.016-acre plots in each of four fields. The number of corn seedlings pheasants destroyed in the 400 plots of each treatment was 2,192 for the control but only 99 in the 0.5-percent plots and 59 in the 3.0-percent plots.

LIVESTOCK PROTECTION

DISEASES

8444-69

SEED DRESSINGS AND GAME BIRDS.

Dublin, *Plant Sciences And Crop Husbandry Div.* 18-19

1967 103 D852

Aldrin, Chlorinated hydrocarbons, DDT, Game birds, Lindane, Mercury compounds, Pheasants, Seed dressings.

8445-69

METHOD OF TREATING INFLUENZA VIRAL INFECTION. PATENT 3,459,861.

R B Angier K C Murdock J H Clark

Us Patent Office Offic Gaz 865(1):231
05 Aug 1969 156.65 OF2
Animal diseases, Drugs, Influenza viruses, Patents.

8446-69

IMMUNOLOGIC REACTIONS IN ANIMALS WITH TUMORS.

R D Antonyuk

Bill Exp Biol Med 66(8):908-911 REF
Aug 1968 442.8 B87AE
Antigens, Cancer, Carcinogens, Hormones, Immunology, Neoplasms, Rats, Serum.

8447-69

CONTROL OF HELMINTHIASIS WITH A SERIES OF 2-(OMEGA-(2-THIENYL)ALKYL)-, 2-(2-(2-THIENYL)VINYL) AND THE CORRESPONDING ISOMERIC 3-THIENYL DERIVATIVES OF THIAZOLINE AND 5,6-DIHYDRO-4H-1,3-THIAZINE. PATENT 3,458,633.

W C Austin L H Conover J W McFarland D H Morgan

Us Patent Office Offic Gaz 864(5):1646
29 Jul 1969 156.65 OF2
Anthelmintics, Helminthiasis, Synthesis, Thiazines, Thiazolines.

8448-69

METHODS OF TREATING COCCIDIOSIS WITH 4-SULFANILAMIDO-2,6-DIMETHOXY-PYRIMIDINE. PATENT 3,458,631.

J Bauernfeind M Mitrovic

Us Patent Office Offic Gaz 864(5):1645-1646
29 Jul 1969 156.65 OF2
Animal diseases, Coccidiosis, Patents, Sulfanilamido-2,6-dimethoxypyrimidine, 4-.

8449-69

RNA SYNTHESIS IN CHICK EMBRYO CELLS INFECTED WITH DEFERENT STRAINS OF NDV.

M A Bratt

Virology 38(3):485-488 REF
Jul 1969 448.8 V81
Chicks, Cytology, Embryology, Livestock diseases, Newcastle disease virus, Paramyxoviruses, Poultry, Ribonucleic acid, Synthesis, Virology, Virus diseases (animals).

8450-69

GLOMERULAR RESPONSE IN HUMAN AND EXPERIMENTAL RICKETTSIAL DISEASE (ROCKY MOUNTAIN SPOTTED FEVER GROUP). A LIGHT AND ELECTRON MICROSCOPY STUDY.

T de Brito A Tiriba C V F Godoy D O Penna F M Jordao

Pathol Micro Biol 31(6):365-377 REF
1968 448.8 SCH9
Electron microscopy, Glomerulonephritis, Human diseases, Laboratory animals, Light, Rickettsial diseases, Rocky mountain spotted fever.

8451-69

STUDY OF THE PLASMOCYTIC REACTION IN EXPERIMENTAL BRUCELLOSIS INFECTION.

M I Chernisheva P A Vershilova

J Hyg Epidemiol Microbiol Immunol 13(2):149-153 REF
1969 448.8 J826
Antibodies, Brucellosis, Cells, Cytology, Guinea pigs. English, French, German, and Spanish summaries.

8452-69

AUTOMATED DETERMINATION OF ZOALENE IN FEEDS.

H L Christopherson

Ass Offic Anal Chem J 52(1):93-101
Jan 1969 381 AS7
Chemical analysis, Coccidiosis, Feed additives, Poultry, Zoalene.

8453-69

RECOMBINATION IN NEWCASTLE DISEASE VIRUS (NDV): THE PROBLEM OF COMPLEMENTING HETEROZYGOTES.

- J E Dahlberg E H Simon
Virology 38(3):490-493 REF
Jul 1969 448.8 V81
Newcastle disease virus, Paramyxoviruses, Temperature, Virology, Virus diseases (animals), Virus mutation.
- 8454-69**
HISTONE-MEDIATED CLUMPING OF NEWCASTLE DISEASE VIRUS (NDV).
J E Dahlberg E H Simon
Virology 38(3):488-490
Jul 1969 448.8 V81
Histones, Newcastle disease virus, Paramyxoviruses, Virology, Virus diseases (animals).
- 8455-69**
SITE DIFFERENCE FOR SOLID TUMOR GROWTH.
J G Eichten Y Maruyama
Growth 32(3):211-219
Sep 1968 442.8 G91
Adenocarcinoma, Animal diseases, Kinetics, Laboratory animals, Mice, Neoplasms, Physiology.
- 8456-69**
AUTORADIOGRAPHIC STUDY OF THE EFFECT OF NEWCASTLE DISEASE VIRUS ON THE MITOTIC CYCLE OF CELLS.
P V Glan
Bull Exp Biol Med 66(8):919-921 REF
Aug 1968 442.8 B87AE
Autoradiography, Chicks, Cytology, Mitosis, Newcastle disease virus, Paramyxoviruses, Virus diseases (animals).
- 8457-69**
SWINE SALMONELLOSIS IN A HAWAIIAN PIGGERY.
J M Gooch R L Haddock
Amer Vet Med Ass J 154(9):1051-1054
01 May 1969 41.8 AM3
Salmonellosis, Swine. English summary
- 8458-69**
THE DEVELOPMENT OF LESIONS IN VITAMIN A-DEFICIENT ADULT FOWL.
J McC Howell G A J Pitt J N Thompson
Brit J Exp Pathol 50(2):181-187 REF
Apr 1969 448.8 B772
Animal nutrition, Avitaminosis, Chickens, Deficiency diseases, Diet, Poultry, Retinoic acid, Vitamin A.
- 8459-69**
DEMONSTRATION WITH INDIRECT IMMUNOFLOURESCENCE OF A CELLULAR EPISILON-ANTIGEN OF THE MOUSE. (FR)
C Huber
Pathol Micro Biol 31(6):345-352
1968 448.8 SCH9
Antigens, Cells, Fluorescence, Immunology, Mice, Neoplasms, Rabbits, Serum, Thymus gland. English summary.
- 8460-69**
RELATIVE HYPERTROPHY OF THE MOUSE'S RIGHT KIDNEY.
H A Johnson F Amendola
Growth 32(3):199-203 REF
Sep 1968 442.8 G91
Animal diseases, Animal physiology, Hypertrophy, Kidneys, Mice, Mitochondria.
- 8461-69**
THE STRUCTURE OF THE RESPIRATORY SYNCYTIAL VIRUS.
J Joncas L Berthiaume V Pavlanis
Virology 38(3):493-497 REF
Jul 1969 448.8 V81
Human diseases, Morphology, Myxoviruses, Respiratory syncytial virus, Virology, Virus diseases (animals).
- 8462-69**
SURVIVAL OF SPOROZOITES OF LEUCOCYTOZON IN BIRDS FOR 11 DAYS.
R A Khan S S Desser A M Fallis
Can J Zool 47(3):347-350 REF
May 1969 470 C16D
Ducks, Leucocytozoon disease, Leucocytozoon dubruii, Leucocytozoon simondi, Liver, Parasitism, Protozoa, Robins, Sporozoites.
- 8463-69**
PREPARATION OF NITROIMIDAZOLE CARBAMATES. PATENT 3,459,764.
J Kollonitsch
Us Patent Office Offic Gaz 865(1):216
05 Aug 1969 156.65 OF2
Animal diseases, Blackhead, Carbamates, Patents, Trichomoniasis.
- 8464-69**
SUPPLEMENT NO. XI TO KAUFMANN-WHITE SCHEME. (FR)
L Le Minor
Inst Pasteur Ann 115(3):379-385
Sep 1968 448.3 AN75
Bacteria, Salmonella, Serological tests. English summary.
- 8465-69**
ATTEMPT TO DETECT FOWL LEUKEMIA VIRUS IN LIVING VIRUS VACCINES PREPARED IN EGGS.
N P Leshchinskaya N A Ivanova A A Smorodintsev
Bull Exp Biol Med 66(8):904-907 REF
Aug 1968 442.8 B87AE
Eggs, Leukemia, Neoplasms, Poultry, Vaccines, Viral vaccines, Virus diseases (animals).
- 8466-69**
DISEASES OF MINK. (GE)
H Ch Loliger
Deut Pelztierzuchter 42(10):177-182
01 Oct 1968 412.628 D48
Animal diseases, Animal husbandry, Animal nutrition, Deficiency diseases, Immunization, Infectious diseases, Minks, Veterinary medicine, Virus diseases (animals). More than 50 diseases are briefly discussed.
- 8467-69**
FLUORESCENT ANTIBODY STAINING OF FOUR BABESIA SPECIES.
C G Ludford
Exp Parasitol 24(3):327-335 REF
Jun 1969 436.8 EX7
Antibodies, Babesia, Blood parasites, Cattle, Dogs, Immunofluorescence, Rats.
- 8468-69**
PREVALENCE OF SALMONELLAE IN VIRGINIA POULTRY FLOCKS AND IN FEED.
M B Marx
Amer Vet Med Ass J 154(9):1055-1056
01 May 1969 41.8 AM3
Feed, Poultry, Salmonella. English summary
- 8469-69**
THE DEMONSTRATION OF A SINGLE SPECIES OF AN UNCLASSIFIED BACTERIUM IN FIVE CASES OF BOVINE LYMPHOSARCOMA.
K A McKay D H Neil A H Corner
Growth 31(4):357-368 REF
Dec 1967 442.8 G91
Animal physiology, Autopsies, Bacteria, Blood, Cattle, Glucose compounds, Livestock diseases, Lymph nodes, Lymphosarcoma, Neoplasms, Tissue culture.
- 8470-69**
DRUG RESISTANCE IN EIMERIA TENELLA. IX. EFFECT OF ACRIFLAVINE-MEDIATED REVERSION ON REACQUISITION OF RESISTANCE TO AMPROLIUM.
D K McLoughlin M B Chute
J Parasitol 53(3):660-661
Jun 1969 448.8 J824
Acridlavine, Ampromium, Chickens, Drug resistance, Eimeria tenella.
- 8471-69**
SECONDARY EFFECTS OF ENTOMOPHAGOUS FUNGI ON HUMANS AND VERTEBRATES: ACTUAL CASES. (GE)
E Muller-Kogler
Entomophaga 12(5):429-441 REF
1967 421 EN835
Aspergillus, Beauveria, Biological control (insects), Entomogenous fungi, Entomophthora coronata, Human diseases, Vertebrates. English abstract
- 8472-69**
EVIDENCE FOR CONVERSION OF DDT TO TDE IN RAT LIVER: 1. LIVER/BODY FAT RATIOS OF TDE.
A Ottoboni J I Ferguson
Bull Environ Contam Toxicol 3(5,SEP-OCT):296-301 REF
1968 RA1270.P35A1
Animal physiology, Biochemistry, DDT, Fats, Liver, Rats, TDE.
- 8473-69**
EFFECT OF BIOTIN DEFICIENCY ON FOOD INTAKE AND BODY AND ORGAN WEIGHTS OF MALE ALBINO RATS.
M S Patel S P Mistry
Growth 32(3):175-187
Sep 1968 442.8 G91
Animal nutrition, Animal physiology, Biotin, Diet, Egg whites, Food nutritive value, Rats.
- 8474-69**
IDENTIFICATION OF BRUCELLA ABORTUS: OXIDATIVE METABOLISM AND PHAGE TYPING. (FR)
A Philippon
Inst Pasteur Ann 115(3):367-378 REF
Sep 1968 448.3 AN75
Bacteria, Bacteriophages, Brucella abortus, Livestock diseases, Metabolism, Oxidation. English summary.
- 8475-69**
CONTRIBUTION TO THE STUDY OF THE ANTIGENIC STRUCTURE OF SOME REPRESENTATIVES OF THE ASPERGILLUS FAMILY USING SPECIFIC PRECIPITATION IN AGAR.
D Polesna
J Hyg Epidemiol Microbiol Immunol 13(2):240-247 REF
1969 448.8 J826
Agar, Antigens, Aspergillus, Rabbits, Serum. English, French, German, and Spanish summaries.
- 8476-69**
ULTRASTRUCTURAL STUDIES ON THE SPOROZOITE OF EIMERIA TENELLA.
J F Ryley
Parasitology 59(1):67-72 REF
Feb 1969 448.8 P21
Eimeria tenella, Electron microscopy, Morphology.
- 8477-69**
STUDIES ON MOUSE LEUKEMIA VIRUSES. 1. ISOLATION AND CHARACTERIZATION OF A GROUP-SPECIFIC ANTIGEN.
W Schafer F A Anderer H Bauer L Pister
Virology 38(3):387-394 REF
Jul 1969 448.8 V81
Antigens, Blood plasma, Centrifugation, Electrophoresis, Mice, Mouse leukemia complex viruses, Serological tests, Virology, Virus diseases (animals).
- 8478-69**
BOVINE VIBRIOSIS.
R C Searl
Can Cattlemen 32(5):24,40
May 1969 49 C16
Abortion, Bacterins, Brucellosis, Cattle, Diagnosis, Livestock diseases, Sterility, Venereal diseases, Vibrio fetus, Vibriosis.

8479-69

8479-69

PERFORATION OF THE ESOPHAGUS IN A CAT.

D P Sinha K K Keahey U V Mostosky R G Schirmer

Amer Vet Med Ass J 154(9):1068-1070

01 May 1969 41.8 AM3

Cats, Esophagus, Pericarditis, Pncumonia. English summary

8480-69

SYNCYTIA FORMATION OF MOSQUITO CELL CULTURES MEDIATED BY TYPE 2 DENGUE VIRUS.

E C Sutor F J Paul

Virology 38(3):482-485 REF

Jul 1969 448.8 V81

Aedes albopictus, Arboviruses, Culicidae, Culture media, Cytology, Dengue (man), Insect vectors, Virology, Virus diseases (animals).

8481-69

COLORIMETRIC DETERMINATION OF RONIDAZOLE IN FEEDS.

C R Szalkowski J Kanora

Ass Offic Anal Chem J 52(1):101-107

Jan 1969 381 AS7

Blackhead, Chemical analysis, Feed additives, Ronidazole, Spectrophotometry, Turkeys.

8482-69

LEUKOCYTE SYSTEM OF RABBITS RECEIVING REPEATED INJECTIONS OF STAPHYLOCOCCAL LEUKOCIDIN.

S Szmigielski J Jeljaszewicz C Zak

Pathol Micro Biol 31(6):328-336 REF

1968 448.8 SCH9

Enzymes, Hemolysins, Injections, Leukocytes, Rabbits, Staphylococcus, Toxins.

8483-69

PRECISE IDENTIFICATION OF THE STRAIN CALLED SHIGELLA PARADYSENTERIAE Y6R OR FLEXNERI Y6R (BURNET). (FR)

S Szturm-Rubinsten M Piechaud

Inst Pasteur Ann 115(3):386-390 REF

Sep 1968 448.3 AN75

Antigens, Bacteria, Biochemistry, Dysentery, Shigella flexneri, Shigella sonnei.

8484-69

ENHANCEMENT AND INHIBITION OF AVIAN SARCOMA VIRUSES BY POLYCATIONS AND POLYANIONS.

K Toyoshima P K Vogt

Virology 38(3):414-426 REF

Jul 1969 448.8 V81

Embryology, Poultry, Rous sarcoma virus, Sarcoma, Virus diseases (animals).

8485-69

ANTIBIOTICS 460 AND METHODS FOR THEIR PRODUCTION. PATENT 3,454,696.

M J Weinstein G M Luedemann G H Wagman J A Marquez

Us Patent Office Offic Gaz 864(2):575

08 Jul 1969 156.65 OF2

Antibiotics, Micromonospora chalybeata, Patents.

8486-69

ANTIBIOTICS 15 AND METHODS FOR THEIR PRODUCTION. PATENT 3,348,626.

M J Weinstein G M Luedemann G H Wagman

Us Patent Office Offic Gaz 864(5):1644-1645

29 Jul 1969 156.65 OF2

Antibiotics, Patents, Streptomyces.

8487-69

THE POLYPEPTIDES OF ADENOVIRUS. III. SYNTHESIS IN INFECTED CELLS.

D O White M D Scharff J V Maizel

Virology 38(3):395-406 REF

Jul 1969 448.8 V81

Actinomycin D, Adenoviruses, Cells, Dna viruses, Peptides, Protein synthesis, Virology.

8488-69

EFFECT OF 5-FLUOROURACIL AND 5-BROMO-2'-DEOXYURIDINE ON THE INDUCTION OF THYMIDINE KINASE IN POLYOMA VIRUS-INFECTED MOUSE EMBRYO CELLS.

J Zemla

Biochem Biophys Res Commun 33(1):69-73 REF

Oct 1968 442.8 B5236

Bromo-2'-deoxyuridine, 5-, Embryos, Enzymes, Fluorouracil, 5-, Kinases, Kinetics, Mice, Polyoma virus, Pyrimidines, Reproduction, Synthesis, Thymidine kinase, Virology, Virus diseases (animals).

ARTHROPODS

8489-69

BIOLOGY AND ECONOMIC IMPORTANCE OF THE CHIGGER NEOSCHONGASTIA AMERICANA ON TURKEYS.

S E Kunz M A Price O H Graham

J Econ Entomol 62(4):872-875 REF

15 Aug 1969 421 J822

Birds, Economies, Insect biology, Mammals, Neoschongastia americana, Reptiles, Trombiculidae, Turkeys. One lesion could cost producer 4 cents/pound.

8490-69

HOST-PARASITE INTERACTIONS AND THE FEEDING OF BLOOD-SUCKING ARTHROPODS.

R J Tatehell

Parasitology 59(1):93-104 REF

Feb 1969 448.8 P21

Arthropoda, Blood meal, Boophilus, Dermacentor, Hyalomma, Insect biology, Insect evolution, Ixodes, Reviews.

PARASITES

8491-69

IMMUNOLOGICAL RESPONSES OF THE MAMMALIAN HOST AGAINST TAPEWORM INFECTIONS. VIII. SOME EVIDENCE AGAINST CELLULAR IMMUNITY INDUCED IN SHEEP BY ACTIVATED EMBRYOS OF TAENIA HYDATIGENA AND T. OVIS.

S K Blundell M A Gemmell F N Maenamara

Exp Parasitol 24(3):291-298 REF

Jun 1969 436.8 EX7

Immunity, Sheep, Taenia hydatigena, Taenia ovis.

8492-69

GASTROINTESTINAL NEMATODES OF VENEZUELAN CARNIVORA. (SP)

C Diaz-Ungria

Soc Venezolana Cienc Natur Bol 27(111):114-128 REF

Mar 1967 516 C172

Cats, Dogs, Gastrointestinal system, Nematodes, Parasitism. English summary.

8493-69

POPULATION STUDIES ON THE INFECTIVE STAGE OF SOME NEMATODE PARASITES OF SHEEP. III. THE DISTRIBUTION OF STRONGYLOID EGG OUTPUT IN FLOCKS OF SHEEP.

A D Donald

Parasitology 58(4):951-960 REF

Nov 1968 448.8 P21

Eggs, Feces, Population, Sheep, Statistical analysis, Strongyloides.

8494-69

POPULATION STUDIES ON THE INFECTIVE STAGE OF SOME NEMATODE PARASITES OF SHEEP. II. THE DISTRIBUTION OF FAECAL DEPOSITS ON FIELDS GRAZED BY SHEEP.

A D Donald R T Leslie

Parasitology 59(1):141-157 REF

Feb 1969 448.8 P21

Feces, Nematodes, Population, Sheep, Statistical analysis.

8495-69

HEMOGLOBINS OF PARASITIC NEMATODES. II. ELECTROPHORETIC ANALYSIS OF THE MULTIPLE HEMOGLOBINS OF ADULTS AND DEVELOPMENTAL STAGES OF THE RABBIT STOMACH WORM, OBLISCOIDES CUNICULI.

M A Fernando

J Parasitol 55(3):493-497 REF

Jun 1969 448.8 J824

Biochemistry, Electrophoresis, Hemoglobin, Obeliscoides cuniculi, Physiology.

8496-69

THE VULVAR REGION OF HAEMONCHUS CONTORTUS (NEMATODA TRICHOSTRONGYLIDAE) IN SPANISH SHEEP, WITH THE DESCRIPTION SUPPORTING POSSIBLE SUBSPECIES, H. CONTORTUS HISPANICUS. (SP)

F Gomez

Rev Iberica Parasitol 28(4,OCT-DEC):473-477

Dec 1968 436.8 R32

Haemonchus contortus, Morphology, Sheep, Taxonomy. English abstract.

8497-69

ANTHELMINTIC COMPOSITIONS AND METHODS EMPLOYING 2-(2'-OXAZOLIN-2'-YL)-BENZIMIDAZOLES. PATENT 3,457,351.

G Holan E L Samuel

Us Patent Office Offic Gaz 864(4):1322

22 Jul 1969 156.65 OF2

Anthelmintics, Benzimidazoles, Patents.

8498-69

THE INFLUENCE OF DIETARY METHIONINE ON THE AMINO ACID POOL OF HYMENOLEPIS DIMINUTA IN THE RAT'S INTESTINE.

C A Hopkins

Parasitology 59(2):407-427 REF

May 1969 448.8 P21

Amino acids, Chemical analysis, Hymenolepis diminuta, Intestines, Metabolism, Methionine, Radioactive tracers, Rats.

8499-69

OBSERVATIONS ON THE NEPHRIDIAL SYSTEM OF THE CESTODE MONIEZIA EXPANSA (RUD., 1805).

R E Howells

Parasitology 59(2):449-459 REF

May 1969 448.8 P21

Electron microscopy, Kidneys, Moniezia expansa, Morphology.

8500-69

EFFECT OF HETEROLOGOUS ANTIBODY ON HAEMONCHUS CONTORTUS DEVELOPMENT IN VITRO.

B P Jakstys P H Silverman

J Parasitol 55(3):486-492 REF

Jun 1969 448.8 J824

Antibodies, Haemonchus contortus, Immunochemistry, Nematodes, Physiology.

8501-69

THE ULTRASTRUCTURE OF THE INTESTINAL EPITHELIUM OF METASTRONGYLUS SP. (NEMATODAI STRONGYLOIDEA).

T Jenkins D A Erasmus

Parasitology 59(2):335-342 REF

May 1969 448.8 P21

Intestines, Metastrongylus, Morphology.

8502-69

PURIFICATION AND IMMUNOCHEMICAL ANALYSIS OF A GENUS-SPECIFIC CUTICULAR ANTIGEN OF TOXOCARA CANIS.

E L Jeska

J Parasitol 55(3):465-471

Jun 1969 448.8 J824

Antigens, Asearis lumbrioides, Asearis lumbrioides suum, Cuticle, Immunochemistry, Toxocara canis.

- 8503-69**
QUANTITATIVE ASPECTS OF LIPID UTILIZATION DURING EMBRYOGENESIS OF ASCARIS SUUM EGGS.
P F Jczyk D Fairbairn
J Parasitol 55(3):477-479
Jun 1969 448.8 J824
Ascaris lumbricoides suum, Biochemistry, Eggs, Lipids, Metabolism.
- 8504-69**
CHITINASE ACTIVITY IN DEVELOPMENTAL STAGES OF ASCARIS SUUM AND ITS INHIBITION BY ANTIBODY.
D E Justus M H Ivcy
J Parasitol 55(3):472-476
Jun 1969 448.8 J824
Antibodies, Ascaris lumbricoides suum, Biochemistry, Chitin, Enzymes, Physiology.
- 8505-69**
THE DEVELOPMENT OF HAEMONCHUS CONTORTUS IN VITRO. I. THE EFFECT OF PH AND PCO₂ ON THE RATE OF DEVELOPMENT TO THE FOURTH-STAGE LARVA.
C J Mapes
Parasitology 59(1):215-231 REF
Feb 1969 448.8 P21
Biochemistry, Carbon dioxide, Haemonchus contortus, Histamine, Hydrogen-ion concentration, Larvae, Mucins, Physiology.
- 8506-69**
MORPHOLOGICAL AND HISTOCHEMICAL STUDIES ON THE LARVAL STAGES OF METASTRONGYLUS SPP. (LUNGWORMS OF SWINE) IN THE EARTHWORM INTERMEDIATE HOST, EISENIA FOETIDA, SAVIGNY 1826.
A J Probert
Parasitology 59(2):269-277 REF
May 1969 448.8 P21
Annelida, Deoxyribonucleic acid, Histochemistry, Larvae, Metastrongylus, Morphology.
- 8507-69**
PARASITES AS BIOLOGICAL MODELS.
J D Smyth
Parasitology 59(1):73-91 REF
Feb 1969 448.8 P21
Biochemistry, Biology, Cytology, Echinococcus granulosus, Genetics, Immunology, Models, Physiology, Taenia.
- 8508-69**
ACTIVITY OF PARBENDAZOLE UPON TRICHINELLA SPIRALIS IN MICE.
V J Theodorides M Laderman
J Parasitol 55(3):678
Jun 1969 448.8 J824
Anthelmintics, Drug therapy, Mice, Trichinella spiralis.
- 8509-69**
THE ANTIGENIC COMPOSITION OF VARIOUS PREPARATIONS OF FERTILE HYDATIDIC CYSTS ANALYZED BY IMMUNODIFFUSION AND IMMUNOELECTROPHORESIS. (SP)
J Tormo A Chordi J G Castro
Rev Iberica Parasitol 28(4,OCT-DEC):535-552 REF
Dec 1968 436.8 R32
Antigens, Cattle, Echinococcosis, Electrophoresis, Immunodiagnosis, Immunology, English abstract.
- 8510-69**
PREVENTING AND CONTROLLING INTERNAL PARASITES OF HOGS.
U S D A Farmers Bull 2240:36P
Apr 1969 1 AG84F
Ascaris, Cestoda, Livestock diseases, Parasitism, Pasture management, Protozoa, Sanitation, Swine, Trematoda.
- 8511-69**
DOES COTTONTAIL SEX OR AGE AFFECT INCIDENCE OF TAENIA PISIFORMIS CYSTICERCI.
F J V Vusse
J Parasitol 55(3):675-676
Jun 1969 448.8 J824
Aging, Cestodiasis, Rabbits, Sex, Taenia pisiformis.
- 8512-69**
THE EXCRETORY SYSTEM OF THE KIDNEY WORM STEPHANURUS DENTATUS (NEMATODA).
A H Waddell
Parasitology 58(4):907-919 REF
Nov 1968 448.8 P21
Electron microscopy, Morphology, Physiology, Stephanurus dentatus.
- 8513-69**
A METHOD FOR THE RECOVERY OF NEMATODE EGGS FROM FAECES.
D A Wassall D A Denham
Parasitology 59(2):279-282
May 1969 448.8 P21
Eggs, Faeces, Methodology, Nematodes, Nematodirus.
- 8514-69**
SEROLOGICAL AND MORPHOLOGICAL STUDIES ON THE INTER- AND INTRASPECIFIC DIFFERENCES OF THE PLANT-PARASITIC NEMATODES HETERODERA AND DITYLENCHUS.
J M Webster D J Hooper
Parasitology 58(4):879-891 REF
Nov 1968 448.8 P21
Antibodies, Antigens, Ditylenchus, Heterodera, Morphology, Plant nematodes, Serodiagnosis.
- 8515-69**
THE FINE STRUCTURE OF THE PROTONEPHRIDIAL SYSTEM IN THE MIRACIDIUM OF FASCIOLA HEPATICA.
R A Wilson
Parasitology 59(2):461-467
May 1969 448.8 P21
Electron microscopy, Fasciola hepatica, Kidneys, Morphology.
- 8516-69**
REDESCRIPTION OF ORNITHOBILHARZIA CANALICULATA (RUD.) ODHNER, WITH NOTES ON CLASSIFICATION OF THE GENUS ORNITHOBILHARZIA AND THE SUBFAMILY SCHISTOSOMATINAE (TREMATODA).
G Witenberg J Lengy
Israel J Zool 16(4):193-204 REF
Dec 1967 410 I57
Birds, Nematodes, Ornithobilharzia, Parasitism, Schistosomatidae, Taxonomy, Trematoda, Zoogeography.
- 8517-69**
BINDING OF 60-CO-VITAMIN B12 BY ASCARIS SUUM INTESTINE.
S G Zam W E Martin
J Parasitol 55(3):480-485 REF
Jun 1969 448.8 J824
Ascaris lumbricoides suum, Biochemistry, Intestines, Radioactive tracers, Vitamin B-12.
- COMMODITY PROTECTION**
- 8518-69**
GARDONA AS A MOTHPROOFER OF WOOLEN FABRIC.
R E Bry J H Lang N M Dennis
J Econ Entomol 62(4):868-872
15 Aug 1969 421 J822
Attacus megaloma, Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Larvae, Organophosphorus compounds, Tineola bisselliella, Wool.
- 8519-69**
EFFECT OF GAMMA RADIATION ON THE INSECTICIDAL EFFICIENCY OF MALATHION DEPOSITS ON WHEAT AND KRAFT PAPER.
R R Cogburn P G Mahany
J Econ Entomol 62(4):829-831
15 Aug 1969 421 J822
Biological assay, Cobalt isotopes, Gamma rays, Insecticides, Malathion, Organophosphorus compounds, Paper, Stored products, Tribolium castaneum, Wheat.
- 8520-69**
COLLABORATIVE STUDY ON THE DETERMINATION OF AFLATOXINS IN COTTON-SEED PRODUCTS.
W A Pons
Ass Offic Anal Chem J 52(1):61-72
Jan 1969 381 AS7
Aflatoxin, Chemical analysis, Chromatography, Cottonseed.
- ARTHROPODS**
- 8521-69**
DIETARY EFFICIENCY OF NATURAL FOODS FOR THE GROWTH AND DEVELOPMENT OF STORED GRAIN INSECT PESTS.
G K Girish G K Punj
Bull Grain Technol 7(1):9-18
Mar 1969 TS2120.B8
Corcyra cephalonica, Insect behavior, Insect pests, Insect physiology, Rhyzopertha dominica, Stegobium paniceum, Stored products, Trogoderma granarium.
- RODENTS AND OTHER PESTS**
- 8522-69**
STUDIES ON RODENTS AND THEIR CONTROL. PART V. SOME FACTORS AFFECTING LETHAL FEEDING PERIOD WITH WARFARIN.
K Krishnamurthy V Uniyal
Bull Grain Technol 7(1):5-8
Mar 1969 TS21 20.B8
Baits, Chemical control (pests), Rodenticides, Rodents, Warfarin.
- 8523-69**
THE SIGNIFICANCE OF DDT IN HOUSEHOLD AND STRUCTURAL PEST CONTROL - 1969.
Nat Pest Cont Ass Tech Release (6):2P
21 Feb 1969 423.9 N213T
Bats, Chemical control (pests), Chlorinated hydrocarbons, DDT, Household pests, Mice.
- ENVIRONMENTAL CONTAMINATION**
- 8524-69**
EFFECTS OF PESTICIDES ON RAW WASTE-WATER.
L W Canter C D Nance D R Rowe
Water Sewage Works 116(6):230-234
Jun 1969 290.8 M92
Chlorinated hydrocarbons, Dieldrin, Endrin, Escherichia coli, Insecticide residues, Sewage, Toxicity, Water pollution.
This study examines the effect of commercial hydrocarbon pesticide products on the oxygen demand of wastewater and on the growth characteristics of bacteria.
- 8525-69**
TECHNIQUES AND PRELIMINARY DATA OF THE MOVEMENT OF DDT AND ZECTRAN THROUGH A FOREST SOIL.
S P Gessel D W Cole H Rieker
Agron Abs 58:94
241 AM39
Chromatography, DDT, Forest soils, Insecticide residues, Pesticide analysis.
- 8526-69**
THE AIR POLLUTION MENACE OF RAGWEED POLLEN.

C N Howison

Northeast Weed Contr Conf Proc 22:349-356

03 Jan 1968 79.9 N814

Airborne pollen, Ambrosia, D, 2,4-, Meteorology.

8527-69

IDENTIFICATION AND MEASUREMENT OF CHLORINATED ORGANIC PESTICIDES IN WATER BY ELECTRON-CAPTURE GAS CHROMATOGRAPHY.

W L Lamar D F Goerlitz

1817-B, 12 P., REF.

1965 407 G29W

Aldrin, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Toxaphene, Water pollution.

8528-69

IDENTIFICATION AND MEASUREMENT OF CHLORINATED ORGANIC PESTICIDES IN WATER BY ELECTRON-CAPTURE GAS CHROMATOGRAPHY.

W L Lamar D F Goerlitz L M Law

1817-B) 12 P., REF.

1965 407 G29W

Aldrin, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Endrin, Heptachlor, Heptachlor epoxide, Lindane, Toxaphene, Water pollution.

8529-69

REGULATORY ACTIVITIES OF THE CONNECTICUT STATE BOARD OF PESTICIDE CONTROL.

B T Peck

Northeast Weed Contr Conf Proc 22:380-383

03 Jan 1968 79.9 N814

Aquatic weeds, Fish, Pest control operators, Pesticide application, Regulations, Weed control.

8530-69

DETERMINATION OF PESTICIDES IN WATER BY MICROCOULOMETRIC GAS CHROMATOGRAPHY AFTER LIQUID-LIQUID EXTRACTION.

J I Teasley W S Cox

Amer Water Works Ass J 55(8):1093-1096

Aug 1963 292.9 AM32J

Aldrin, Benzene hexachloride, Chlorinated hydrocarbons, Chromatography, Colorimetry, Diazinon, Dieldrin, DDT, Organophosphorus compounds, Parathion, Pesticide residues, Phosphorothioic acid esters, Toxaphene, Water pollution.

8531-69

PERSISTENCE OF PESTICIDES IN ORCHARDS AND ORCHARD SOILS.

L C Terriere U Kiimagi R W Zwick P H

Westgard

Advances Chem Ser 60:263-270 REF

1966 381 AD93

DDT, Halogenated insecticides, Insecticide residues, Orchards, Persistence, Soils.

Approximately 40 per cent of the DDT applied to orchards since 1946 is still present in the soil, most of it in the top 12 inches.

8532-69

PERSISTENCE OF PESTICIDES IN ORCHARDS AND ORCHARD SOILS. IN: ORGANIC PESTICIDES IN THE ENVIRONMENT; SYMPOSIUM...AMERICAN CHEMICAL SOCIETY, ATLANTIC CITY, N.J., SEPT. 13-15, 1965. ROBERT J. GOULD, ED.

L C Terriere U Kiimagi R W Zwick P H

Westgard

Advances Chem Ser 60:263-270, REF.

1966 381 AD93

Apples, Chlorinated hydrocarbons, DDT, Groundwater, Insecticide residues, Metabolites, Pears, Soil contamination, Water pollution.

8533-69

PESTICIDE DRIFT. I. HIGH-CLEARANCE VS. AERIAL APPLICATION OF SPRAYS.

G W Ware B J Estesen W P Cahill P D Gerhardt

K R Frost

J Econ Entomol 62(4):840-843

15 Aug 1969 421 J822

Aerial spraying, Air pollution, Chlorinated hydrocarbons, Cotton, Dairy equipment, Insecticide residues, Methoxychlor, Spraying, Spraying equipment.

8534-69

ADMINISTRATION OF AQUATIC NUISANCE CONTROL IN ONTARIO.

D Wells I Wile

Northeast Weed Contr Conf Proc 22:374-379

03 Jan 1968 79.9 N814

Aquatic weeds, Fish, Management, Weed control.

RESIDUES

8535-69

PESTICIDE RESIDUES IN FOOD.

Dublin, Plant Sciences And Crop Husbandry Div.

16-17

1967 103 D852

Aldrin, Chlorinated hydrocarbons, Dairy products, DDT, Feed, Lindane, Mutton, Pesticide residues, Seeds, Shellfish.

8536-69

RESIDUE TOLERANCES SET FOR DDT IN MILK.

Anonymous

Aerial Appl 5(5):8

May 1967 333.8 AE8

Agricultural products, DDT, Food contamination, Insecticide residues, Milk.

8537-69

DIELDRIN EFFECTS IN TWO GENERATIONS OF PENNED HEN PHEASANTS.

W L Baxter R L Linder R B Dahlgren

J Wildlife Manage 33(1):96-102 REF

Jan 1969 410 J827

Chlorinated hydrocarbons, Dieldrin, Fertility, Hatching, Insecticides, Mortality, Pheasants, Reproduction.

Effects of encapsulated dieldrin fed to penned hen pheasants (*Phasianus colchicus*) were studied through two generations. First-generation hens received 0, 2, 4 and 6 mg of dieldrin per week for 13 weeks. Hens which were offspring of these 0, 4 and 6 mg treated groups received 0 and 6 mg per week for 14 weeks. Effects of dieldrin were evaluated by measuring food consumption, weight, and egg production of hens, fertility and hatchability of eggs and survival, weight gain, and behavior of chicks.

8538-69

CHLORINATED INSECTICIDES IN THE BODY FAT OF PEOPLE IN THE UNITED STATES.

W E Dale G E Quinby

Science 142(3592):593-595 REF

01 Nov 1963 470 SC12

Benzene hexachloride, Chlorinated hydrocarbons, Chromatography, Dieldrin, DDT, Humans, Insecticide residues, Metabolites.

8539-69

CO-DISTILLATION CLEAN-UP FOR DDT RESIDUES ESTIMATION.

R S Dewan K C Gulati

Curr Sci 38(5):112-113

05 Mar 1969 475 SC123

Chlorinated hydrocarbons, DDT, Insecticide residues.

8540-69

EFFECTS OF OIL AND SURFACTANT ON RESIDUES OF ATRAZINE IN FIELD GROWN CORN.

C D Ercegovich S M Raleigh D E H Frear

Northeast Weed Contr Conf Proc 22:488-490

03 Jan 1968 79.9 N814

Atrazine, Corn, Herbicide residues, Herbicides, Oils, Surface-active agents.

8541-69

TOLERANCES OF THREE SPECIES OF ANURAN AMPHIBIANS TO FIVE CHLORINATED HYDROCARBON INSECTICIDES.

D E Ferguson C C Gilbert

Miss Acad Sci J 13:135-138

1967 500 M697

Aldrin, Biological assay, Chlorine, Dieldrin, DDT, Endrin, Frogs, Hydrocarbons, Insecticides, Pesticide residues, Tolerances, Toxaphene.

8542-69

THE ABSORPTION AND ACCUMULATION OF ATRAZINE IN BARNYARDGRASS AT VARIOUS STAGES OF DEVELOPMENT.

E R Hill J Vengris

Northeast Weed Contr Conf Proc 22:497

03 Jan 1968 79.9 N814

Atrazine, Chromatography, Decomposition, Echinochloa crusgalli, Herbicide residues, Surface-active agents.

8543-69

DISTRIBUTION OF INSECTICIDES SPRAYED BY AIRPLANE ON AN IRRIGATED CORN PLOT.

E Hindin D S May G H Dunstan

Advances Chem Ser 60:132-145 REF

1966 381 AD93

Aerial spraying, Corn, Diazinon, DDT, Ethion, Insecticide residues, Irrigation.

8544-69

ANALYSIS OF POTATO FOR RESIDUE OF C-3126 AND OF SQUASH FOR RESIDUE OF PROMETRYNE.

T W Kerr C E Olney R S Bell

22:409-410

03 Jan 1968

Bromophenyl-1-methoxy-1-methylurea, 3-(p-, Herbicide residues, Potatoes, Prometryne, Squash.

8545-69

PESTICIDE RESIDUES IN A MARINE POPULATION OF DOUBLE-CRESTED CORMORANTS.

C R Kury

J Wildlife Manage 33(1):91-95 REF

Jan 1969 410 J827

Birds, Chemical analysis, Chlorinated hydrocarbons, Pesticide residues, Reproduction.

The double-crested cormorant (*Phalacrocorax auritus*) was successful in its reproduction in Muscongus Bay, Maine, colonies in 1966 despite the fact that gulls and exposure inflicted a high mortality (71 percent) on eggs and young. The cormorant obtained little or no pesticide from Maine fish. Pesticides present in organs of the cormorant were obtained in some other area, possibly Florida where the bird winters. Pesticide residues seem not to have affected the reproductive success of the cormorant.

8546-69

RAPID CLEANUP OF DAIRY PRODUCTS FOR ANALYSIS OF CHLORINATED INSECTICIDE RESIDUE BY ELECTRON CAPTURE GAS CHROMATOGRAPHY.

B E Langlois A R Stemp B J Liska

J Agr Food Chem 12(3,MAY-JUN):243-245

May 1964 381 J8223

Chlorinated hydrocarbons, Chromatography, Dairy products, Dieldrin, DDT, Endrin, Food contamination, Insecticide residues, Lindane.

8547-69

IMPROVED EXTRACTION OF CHLORINATED HYDROCARBON PESTICIDES FROM ANIMAL TISSUES.

C F Li L Jr. Bradley T Richardson

Bull Environ Contam Toxicol 3(5,SEP-OCT):317-321

1968 RA1270.P35A1

Animal extracts, Animals, Chlorinated hydrocarbons, Dieldrin, DDT, Pesticide residues, Pesticides, Tissues.

- 8548-69**
EFFECT OF FORAGE PROCESSING ON DALAPON RESIDUE.
D L Linscott R D Hagin M J Wright
Northeast Weed Contr Conf Proc 22:313
03 Jan 1968 79.9 N814
Alfalfa, Dalapon, Herbicide residues, Pesticide analysis, Tolerances.
- 8549-69**
DDT. IN: ZWEIG, ANALYTICAL METHODS FOR PESTICIDES, PLANT GROWTH REGULATORS, AND FOOD ADDITIVES. VOL. II. INSECTICIDES. 395 Z9.
R Miskus
97-107, REF. ACADEMIC PRESS, NEW YORK 1964
Chlorinated hydrocarbons, DDT, Food contamination, Insecticide residues.
- 8550-69**
THE TOXICITY AND SUBLETHAL EFFECTS OF P P'-DDT AND DIELDRIN TO AGLAIS URticae (L.) (LEPIDOPTERA: NYMPHALIDAE) AND CHORTHIPPUS BRUNNEUS (THUNBERG) (SALTATORIA:ACRIDIDAE).
F Moriarty
Ann Appl Biol 62(3):371-293 REF
Dec 1968 442.8 AN72
Acrididae, Dieldrin, DDT, Fertility, Morphology, Nymphalidae, Research, Toxicology.
- 8551-69**
NOTE ON IMPROVED EXTRACTION FOR CHLORINATED PESTICIDE RESIDUES IN OYSTERS.
E A Robertson R M Tyo
Ass Offic Anal Chem J 49(3):683-684
Jun 1966 381 AS7
Chlorinated hydrocarbons, DDT, Food contamination, Heptachlor, Heptachlor epoxide, Insecticide residues, Oysters.
- 8552-69**
DDT RESIDUES IN ADELIE PENGUINS AND A CRABEATER SEAL FROM ANTARCTICA.
W J L Sladen C M Menzie W L Reichel
Nature 210(5037):670-673 REF
14 May 1966 472 N21
Adipose tissue (animals), Antarctica, Birds, Chlorinated hydrocarbons, Chromatography, DDT, Insecticide residues, Liver, Penguins, TDE, Wildlife.
- 8553-69**
SECRETION OF DDT BY LACTATING COWS FED THYROPROTEIN.
J W Stull W H Brown Whiting L M Sullivan M Milbrath J M Witt
J Dairy Sci 51(1):56-59 REF
Jan 1968 44.8 J822
Cattle, Chlorinated hydrocarbons, DDT, Food contamination, Injections, Milk, Thyroprotein.
Abstract: Milk and milk fat yield increased and body weight decreased in animals getting thyroprotein. The pesticide content of milk decreased to 2 ppm in controls, but only to 4 ppm in the thyroprotein-fed group.
- 8554-69**
RESIDUES OF DDT AND ITS DERIVATIVES IN THE FAT TISSUES OF SOME MARKET ANIMALS.
J Svoboda J Kubat
Brio Acta Univ Agr Fac Vet 36(2):233-240 REF
1967 SF604. B7
Adipose tissue (animals), Chlorinated hydrocarbons, DDT, Livestock, Marketing, Pesticide residues. Czech summary.
- 8555-69**
PESTICIDE DRIFT. II. MIST-BLOWER VS. AERIAL APPLICATION OF SPRAYS.
G W Ware E J Apple W P Cahill P D Gerhardt K R Frost
J Econ Entomol 62(4):844-846
15 Aug 1969 421 J822
Aerial spraying, Air pollution, Alfalfa, Chlorinated hydrocarbons, Feed, Food contamination, Insecticide residues, Methoxychlor, Mist blowers, Spraying.
- 8556-69**
RESIDUALS OF PESTICIDES IN CULTIVATED MUSHROOMS. (FR)
A William P Martens
Gac Vet 6:507-514 REF
1965 41.8 G112
Aldrin, Chlorinated hydrocarbons, Diazinon, Dimethoate, DDT, Fumigation, Lindane, Mushrooms, Organophosphorus compounds, Parathion, Pesticide application, Pesticide residues, Sulfotcpp. English and German summaries.
- 8557-69**
DDT REDUCES PHOTOSYNTHESIS BY MARINE PHYTOPLANKTON.
C F Wurster
Science 159(3822):1474-1475 REF
29 Mar 1968 470 SC12
Chlorinated hydrocarbons, DDT, Ecology, Marine biology, Pesticide residues, Photosynthesis, Plankton, Water pollution.
- 8558-69**
THE EFFECTS OF AN ACUTE DDT EXPOSURE ON THE SPONTANEOUS ELECTRICAL ACTIVITY OF GOLDFISH CEREBELLUM.
A E Aubin P H Johansen
Can J Zool 47(2):163-166
Mar 1969 470 C16D
Brain, DDT, Electrophysiology, Fish, Nervous system, Poisoning, Symptomatology.
- 8559-69**
DYNAMICS OF ARSENIC CUMULATION IN HAIRLESS MICE AFTER PERORAL ADMINISTRATION.
V Bencko K Symon
J Hyg Epidemiol Microbiol Immunol 13(2):248-253 REF
1969 448.8 J826
Arsenic, Mice, Toxicology. English, French, German, and Spanish summaries.
- 8560-69**
ALDRIN EPOXIDASE ACTIVITY OF RAT LIVER AND RAT LIVER MICROSOMES UNDER VARIOUS CONDITIONS OF STORAGE.
T Chan L C Terriere
Biochem Pharmacol 18(5):1061-1070 REF
May 1969 396.8 B52
Aldrin, Biochemistry, Chlorinated hydrocarbons, Enzymes, Freezing, Liver, Microsomes, Rats, Storage, Temperature.
- 8561-69**
KINETICS OF CL-36 DDT IN WILD WATER-FOWL.
D L Dindal
Diss Abstr Sect B 28(3):1267B
Sep 1967 Z5055.U49D53
Aquatic birds, DDT, Game birds, Radioactive tracers.
- 8562-69**
INSECTICIDE-RESISTANT FISHES: A POTENTIAL HAZARD TO CONSUMERS.
D E Ferguson J L Ludke M T Finley G G Murphy
Miss Acad Sci J 13:138-140
1967 500 M697
Consumers, DDT, Endrin, Fish, Food poisoning, Insecticide residues, Insecticides, Metabolites, Resistance, Toxicology.
- 8563-69**
EXAMINATION OF ANTIBODIES AND OF HEMAGGLUTININES, COMPLETE AND INCOMPLETE FOR THE DIAGNOSIS OF SALMONELLA TYPHIMURIUM INFECTIONS. (FR)
I Gavrilu C Pascariu M Mihoc
Inst Pasteur Ann 115(1):79-83
Jul 1968 448.3 AN75
Antibodies, Diagnosis, Hemagglutination, Infectious diseases, Salmonella typhimurium. English summary.
- 8564-69**
MALATHION-INDUCED TERATISMS IN THE DEVELOPING CHICK.
J Greenberg Q N LaHam
Can J Zool 47(4):539-542 REF
Jul 1969 470 C16D
Abnormalities, Chicks, Eggs, Embryology, Malathion, Mortality, Organophosphorus compounds, Poultry, Toxicology.
- 8565-69**
RESPONSE OF ROBINS TO DDT AND METHOXYCHLOR.
L B Hunt R J Sacho
J Wildlife Manage 33(2):336-345 REF
Apr 1969 410 J827
Animal physiology, Birds, Chlorinated hydrocarbons, DDT, Insecticide residues, Insecticides, Methoxychlor, Mortality, Toxicology.
- 8566-69**
BI-MODAL EFFECT OF PIPERONYL BUTOXIDE ON THE O- AND P-HYDROXYLATIONS OF BIPHENYL BY MOUSE LIVER MICROSOMES.
H Jaffe K Fujii H Guerin M Sengupta S S Epstein
Biochem Pharmacol 18(5):1045-1051 REF
May 1969 396.8 B52
Biokinetics, Biphenyl, Enzymes, Hydroxyl, Insecticide synergists, Liver, Mice, Microsomes, Piperonyl butoxide.
- 8567-69**
FISH LOSSES AFTER FOREST SPRAYINGS WITH INSECTICIDES IN NEW BRUNSWICK, 1952-62, AS SHOWN BY CAGED SPECIMENS AND OTHER OBSERVATIONS.
C J Kerswill H E Edwards
24(4):709-729, MAP REF
Apr 1967
DDT, Fish, Forests, Losses, Malathion, Petroleum, Phosphamidon, Spraying, Streams, TDE, Water pollution.
Abstract included.
- 8568-69**
COMPARISON OF ASSAY METHODS FOR STUDYING O,O-DIETHYL, O-P-NITROPHENYL PHOSPHATE (PARAOXON) DETOXIFICATION IN VITRO.
R R Lauwerys S D Murphy
Biochem Pharmacol 18(4):789-800 REF
Apr 1969 396.8 B52
Anticholinesterases, Biokinetics, Biological assay, Manometry, Paraoxon, Spectrophotometry, Toxicology.
- 8569-69**
MODE OF ACTION OF INSECTICIDE SYNERGISTS.
R L Metcalf
Annu Rev Entomol 12:229-256 REF
1967 421 AN72
Bibliography, Carbamates, DDT, Insect biochemistry, Insecticide synergists, Organophosphorus compounds, Pyrethrum, Toxicology.
- 8570-69**
DEGRADATION OF PARATHION IN THE RAT.
T Nakatsugawa N M Tolman P A Dahm
Biochem Pharmacol 18(5):1103-1114 REF
May 1969 396.8 B52
Biochemistry, Degradation, Diethyl phosphorothioic acid, Enzymes, Liver, Metabolism, Microsomes, Organophosphorus compounds, Paraoxon, Parathion, Rats, Sulfur, Toxicology.

8571-69

BIOCHEMICAL CHANGES IN RAT LIVER IN RESPONSE TO TREATMENT WITH DRUGS AND OTHER AGENTS--II. EFFECTS OF HALOTHANE, DDT, OTHER CHLORINATED HYDROCARBONS, THIOACETAMIDE, DIMETHYLNITROSAMINE AND ETHIONINE. D S Platt B L Cockrill

Biochem Pharmacol 18(2):445-457 REF

Feb 1969 396.8 B52

Biochemistry, Bromo-2-chloro-1,1,1-trifluoroethane, 2-, Chlorinated hydrocarbons, DDT, Drug therapy, Enzymes, Ethionine, Liver, Metabolism, Microsomes, Nitrosodimethylamine, N-, Rats, Thioacetamide, Toxicology, Toxins.

8572-69

STRUCTURE-ACTIVITY AND METABOLISM STUDIES ON ORGANOPHOSPHATE TERATOGENS AND THEIR ALLEVIATING AGENTS IN DEVELOPING HEN EGGS WITH SPECIAL EMPHASIS ON BIDRIN.

J-C Roger D G Upshall J E Casida

Biochem Pharmacol 18(2):373-392 REF

Feb 1969 396.8 B52

Abnormalities, Chickens, Eggs, Enzymes, Hydroxy-N,N-dimethyl-cis-crotonamide dimethyl phosphate, 3 m, Nicotinamide, Nicotinic acid, Organophosphorus compounds, Pesticide residues, Physiology, Pyridine nucleotides, Toxicology.

8573-69

DISTRIBUTION OF PESTICIDE RESIDUES IN HUMAN BODY TISSUES FROM MONTGOMERY COUNTY, OHIO. IN: ORGANIC PESTICIDES IN THE ENVIRONMENT; SYMPOSIUM...AMERICAN CHEMICAL SOCIETY ATLANTIC CITY, N.J., SEPT. 13-15, 1965. ROBERT J. GOULD, ED.

M L Schafer J E Campbell

Advances Chem Ser 60:89-98

1966 381 AD93

Adipose tissue (animals), Chlorinated hydrocarbons, Dieldrin, DDT, Humans, Insecticide residues, Tissues.

8574-69

HAZARDS OF INSECTICIDES AND RESIDUE PROBLEMS IN RICE CULTIVATION.

K Ueda

Baltimore, John Hopkins Press. 351-366 REF

1967 SB608.R559

Animals, Chlorinated hydrocarbons, Fish, Humans, Insecticides, Organophosphorus compounds, Parathion, Poisoning, Residues, Rice.

8575-69

ROLE OF INTESTINAL MICROFLORA IN THE DEGRADATION OF DDT BY RAINBOW TROUT (SALMO GAIARDNERI).

G Wedemeyer

Life Sci 7(3,PT 1):219-223 REF

01 Feb 1968 442.8 L62

DDT, Insecticide residues, Intestines, Metabolism, Metabolites, Microorganisms, Trout.

8576-69

RESPIRATORY EXPOSURE OF DAIRY ANIMALS TO PESTICIDES. IN: ORGANIC PESTICIDES IN THE ENVIRONMENT; SYMPOSIUM...AMERICAN CHEMICAL SOCIETY, ATLANTIC CITY, N.J., SEPT. 13-15, 1965. ROBERT J. GOULD, ED.

J M Witt F M Whiting W H Brown

Advances Chem Ser 60:99-109, REF.

1966 381 AD93

Animal respiration, Cattle, Chlorinated hydrocarbons, DDT, Insecticide residues, Milk fat.

PLANT PHYSIOLOGY & BIOCHEMISTRY

8577-69

EXPERIMENTAL RESEARCH CONCERNING THE CIRCUMSTANCES AND MODALITIES OF THE RETURN OF INFLORESCENCE TOWARDS THE VEGETATIVE STAGE IN SALVIA GLUTINOSA L.

P Chouard J Pawlowski

Soc Franc Physiol Veg Bull 13(2):203-213

May 1967 451 SO193

Photoperiodism, Plant biochemistry, Plant physiology, Research, Salvia glutinosa. English summary.

8578-69

EFFECT OF DICHOLOBENIL ON ANTHOCYANIN DEVELOPMENT IN VACCINIUM MACROCARPON (VAR. EARLY BLACK).

R M Devlin I E Demoranville

Northeast Weed Contr Conf Proc 22:493-496

03 Jan 1968 79.9 N814

Anthocyanins, Cranberries, Dichlobenil, Herbicides, Metabolism.

8579-69

EFFECT OF CP31393 ON AUXIN-INDUCED GROWTH.

W B Duke

Northeast Weed Contr Conf Proc 22:504-511

03 Jan 1968 79.9 N814

Chloro-N-isopropylacetanilide, 2-, Cucumbers, D, 2,4-, Plant hormones, Plant regulators.

8580-69

EXPRESSION OF SEXUAL CHARACTERISTICS IN ANNUAL MERCURIALS. (FR)

B Durand

Soc Franc Physiol Veg Bull 13(2):195-202 REF

May 1967 451 SO193

Gibberellins, Kinetin, Mercurialis, Plant grafting, Plant hormones, Plant physiology, Plant regulators, Plant reproduction. English summary.

8581-69

MODE OF ACTION, TRANSLOCATION, OXIDATION, AND DECOMPOSITION OF INSECTICIDES WITHIN THE RICE PLANTS.

H Fukuda

Baltimore, John Hopkins Press. 305-316 REF

1967 SB608.R559

Chemical control (insects), Chlorinated hydrocarbons, Decomposition, Insecticide residual activity, Organophosphorus compounds, Oxidation, Plant translocation, Rice.

8582-69

A STUDY OF THE ACTIVITY OF DIPHENAMID AND THREE ANALOGS. (ABSTRACT).

W A Gentner

Northeast Weed Contr Conf Proc 22:499

03 Jan 1968 79.9 N814

Diphenamid, Diphenylacetamide, 2,2-, Diphenylacetic acid, Herbicides, Lambsquarters, Methyl-diphenylacetamide, N-, Pigweed, Rape, Tomatoes.

8583-69

THE CONTRACTION OF THE ROOTS OF ARUM ITALICUM. (FR)

A Lamant R Heller

Soc Franc Physiol Veg Bull 13(2):179-193 REF

May 1967 451 SO193

Arum italicum, Osmotic pressure, Parenchyma tissue, Plant biochemistry, Plant hormones, Plant physiology, Plasmolysis, Roots. English summary.

8584-69

A STUDY OF THE DEVELOPMENT OF THE GIBBERELLIN CONTENT OF EMBRYOS OF EVONYMUS EUROPAEUS L., IN THE COURSE OF THE STRATIFICATION OF SEEDS. (FR)

J Monin

Soc Franc Physiol Veg Bull 13(2):171-177 REF

May 1967 451 SO193

Biological assay, Chromatography, Euonymus europaeus, Gibberellins, Plant embryos, Plant physiology, Seeds. English summary

8585-69

SYSTEMIC INSECTICIDES IN TREES.

D M Norris

Annu Rev Entomol 12:127-148 REF

1967 421 AN72

Bibliography, Phytotoxicity, Plant metabolism, Plant physiology, Systemic insecticides, Trees.

8586-69

BIOCHEMICAL STUDIES ON BAKANAE FUNGUS. PART 74. SYNTHESIS OF SUBSTANCES RELATED TO GIBBERELLINS. PART XVI AN ALTERNATE SYNTHETIC ROUTE TO A GIBBERANE-10-CARBOXYLIC ACID.

T Ogawa K Mori M Matsui Y Sumiki

Agr Biol Chem 31(10):1242-1243

Oct 1967 385 AG8B

Chemical structure, Chromatography, Fungi, Gibberellins, Synthesis.

8587-69

INFLUENCE OF 2,4-D AND STREPTOMYCIN ON THE NITROGEN METABOLISM OF BUCKWHEAT SEEDLINGS AND ITS RELATION TO THE ANTHOCYANIN BIOSYNTHESIS. (ES)

M Otter

Akad Nank Est Ssr Izv Ser Biol 16(2):128-135

REF

1967 442.9 AK18

Anthocyanins, D, 2,4-, Herbicides, Nitrogen, Plant metabolism, Streptomycin, Wheat. English and Russian abstracts.

8588-69

PLANT TREATMENT IN RELATION TO THE RHIZOSPHERE EFFECT. III. FOLIAR APPLICATION OF CERTAIN TRACE ELEMENTS AND METALLIC CHELATES IN RELATION TO THE RHIZOSPHERE MICROFLORA OF RICE (ORYZA SATIVA L.).

T K R Reddy

Plant Soil 29(1):114-118 REF

Aug 1968 450 P696

Boron, Chelates, Copper, Exudates, Foliar application, Iron, Manganese, Molybdenum, Plant biochemistry, Rhizosphere, Rice, Roots, Soil fungi, Zinc.

8589-69

THE ELONGATION OF STAMEN FILAMENTS IN GRAMINACEAE. (FR)

J Schaefferbeke

Soc Franc Physiol Veg Bull 13(2):153-170 REF

May 1967 451 SO193

Gibberellins, Grasses, Hydrolysis, Plant cytology, Plant physiology, Stamens, Sucrose, Temperature, Thermoperiodism. English summary.

8590-69

EFFECT OF SEVERAL HERBICIDES ON FLOWER PRODUCTION, GROWTH AND WEED CONTROL IN MARIGOLDS.

O E Schubert

Northeast Weed Contr Conf Proc 22:264-271

03 Jan 1968 79.9 N814

Chemical control (weeds), Formulations, Pesticide mixtures, Plant budding, Plant physiology, Tagetes.

8591-69

TRANSLOCATION PATTERNS OF SIMAZINE IN POTAMOGETON CRISPUS L.

D L Sutton S W Bingham

Northeast Weed Contr Conf Proc 22:357-361

03 Jan 1968 79.9 N814

Aquatic plants, Metabolites, Plant translocation, Potamogeton crispus, Simazine.

8592-69

STIMULATION OF PLANT GROWTH. PATENT 3,454,391.

B Von Schmeling M Kulka

Us Patent Office Offic Gaz 864(2):522

08 Jul 1969 156.65 OF2

Barley, Dihydro-5-carboxamido-6-methyl-1,4-oxathin, 2,3-, Dihydro-5-carboxanilido-6-methyl-1,4-oxathin-4,4-dioxide, 2 d, Kidney beans, Patents, Peanuts, Plant regulators.

CHEMISTRY

8593-69

INSECTICIDAL-GERMICIDAL COMPOSITIONS OF QUATERNARY AMMONIUM ORTHO PHENYL PHANATE HALIDE COMPLEXES. PATENT 3,458,629.

T R Baravalle

Us Patent Office Offic Gaz 864(5):1645

29 Jul 1969 156.65 OF2

Bactericides, Chemical control (pests), Fungicides, Insecticides, Patents, Quaternary ammonium compounds.

8594-69

ON THE COMMON PROTEIN DETERMINANTS OF ENTEROBACTERIACEAE. (FR)

C Barber E Eylan J Keydar

Pathol Micro Biol 31(6):321-327

1968 448.8 SCH9

Agar, Diffusion, Enterobacteriaceae, Gels, Proteins, Salmonella, Serological tests. English summary.

8595-69

FUNGICIDAL COMPOSITIONS AND METHODS USING MESOMERIC PHOSPHONIUM COMPOUNDS. PATENT 3,458,630.

G H Birum

Us Patent Office Offic Gaz 864(5):1645

29 Jul 1969 156.65 OF2

Fungi, Fungicides, Organophosphorus compounds, Patents.

8596-69

GLC DETERMINATION OF RESIDUES OF DISULFOTON, OXYDEMOTONMETHYL, AND THEIR METABOLITES IN TOBACCO PLANTS.

M C Bowman M Beroza C R Gentry

Ass Offic Anal Chem J 52(1):157-162

Jan 1969 381 AS7

Chromatography, Disulfoton, Insecticide residues, Insecticides, Metabolites, Oxydemetonmethyl, Pesticide analysis, Tobacco.

8597-69

THIN LAYER DENSITOMETRIC DETERMINATION OF ROTENONE AND DEGUELIN.

N E Delfel W H Tallent

Ass Offic Anal Chem J 52(1):182-187

Jan 1969 381 AS7

Chromatography, Deguelin, Insecticide residues, Pesticide analysis, Rotenone.

8598-69

NOTE ON THE DETERMINATION OF SOME CHLOROPHENOXY HERBICIDES AND THEIR ESTERS IN WATER.

J M Devine G Zweig

Ass Offic Anal Chem J 52(1):187-189

Jan 1969 381 AS7

Herbicide residues, Pesticide analysis, Phenoxy acid compounds, Water.

8599-69

ON THE MECHANIZATION OF RADIOSENSITIZATION BY 5-BROMOURACIL. STUDIES ON 60CO-GAMMA IRRADIATED PHAGE PHI X-174 AND ITS SINGLE-STRANDED INFECTIOUS DNA.

G Hotz

Z Vererbungslehre 102(1):44-49 REF

1968 442.8 Z34

Bromouracil, 5-, Cobalt isotopes, Deoxyribonucleic acid, Genetics, Irradiation, Proteins, Pyrimidines, Radiation.

8600-69

METHODS FOR STABILIZING PESTICIDAL COMPOSITIONS OF 2-ALKOXYCARBON-

YLAMINOBENZIMIDAZOLECARBOXYLIC ESTERS. PATENT 3,454,700.

A M Hyson

Us Patent Office Offic Gaz 864(2):575

08 Jul 1969 156.65 OF2

Benzimidazoles, Patents, Pesticides.

8601-69

ARYL ALKOXYTHIOUREAS. PATENT 3,457,292.

R S Johnson

Us Patent Office Offic Gaz 864(4):1312

22 Jul 1969 156.65 OF2

Fungicides, Herbicides, Patents, Urea compounds.

8602-69

ISOLATION OF THE NOVEL REGULATORY MUTANTS OF THE TRYPTOPHAN BIOSYNTHETIC SYSTEM IN ESCHERICHIA COLI.

Y Kano A Matsushiro Y Shimura

Z Vererbungslehre 102(1):15-26 REF

1968 442.8 Z34

Amino acids, Enzymes, Escherichia coli, Genetics, Mutation, Synthesis, Tryptophan.

8603-69

STUDIES ON THE EFFECT OF SULFURIC-FUMING NITRIC ACID TREATMENT ON THE ANALYTICAL CHARACTERISTICS OF TOXAPHENE.

Y Kawano A Bevenue H Beckman F Erro

Ass Offic Anal Chem J 52(1):167-172

Jan 1969 381 AS7

Acids, Chromatography, DDT, Insecticide residues, Nitric acid, Pesticide analysis, Sulfuric acid, Toxaphene.

8604-69

MODIFICATION OF THE CARBON DISULFIDE EVOLUTION METHOD FOR DITHIOCARBAMATE RESIDUES.

G E Keppel

Ass Offic Anal Chem J 52(1):162-167

Jan 1969 381 AS7

Carbon disulfide, Crops, Fungicides, Pesticide analysis, Pesticide residues, Thiocarbamates, Zineb.

8605-69

QUANTITATIVE METHOD FOR THE ESTIMATION OF AFLATOXINS IN PEANUTS AND PEANUT PRODUCTS.

K Mayura

Ass Offic Anal Chem J 52(1):77-81

Jan 1969 381 AS7

Aflatoxin, Chemical analysis, Chromatography, Peanuts.

8606-69

NORTRICYCLOC-3-UREAS AND THEIR HERBICIDAL COMPOSITIONS AND METHODS OF USE. PATENT 3,454,393.

G Muller L Eue H Hack

Us Patent Office Offic Gaz 864(2):523

08 Jul 1969 156.65 OF2

Carriers, Herbicides, Patents, Synthesis, Urea compounds.

8607-69

INDOXYL ACETATE SPRAY REAGENT FOR FLUOROGENIC DETECTION OF CHOLINESTERASE INHIBITORS IN ENVIRONMENTAL SAMPLES.

R L Schutzmam W F Barthel

Ass Offic Anal Chem J 52(1):151-156

Jan 1969 381 AS7

Cholinesterases, Chromatography, Organophosphorus compounds, Pesticide analysis, Pesticide residues.

8608-69

ANALYSIS OF COCOA BEANS FOR AFLATOXINS.

P M Scott

Ass Offic Anal Chem J 52(1):72-74

Jan 1969 381 AS7

Aflatoxin, Chemical analysis, Chromatography,

Cocoa, Extraction.

8609-69

PROCESS FOR THE MANUFACTURE OF A PESTICIDE FROM PETROLEUM HYDROCARBONS. PATENT 3,454,664.

S Siddiqui S A Qureshi S H Ashrafi

Us Patent Office Offic Gaz 864(2):569

08 Jul 1969 156.65 OF2

Chlorinated hydrocarbons, Patents, Pesticides, Petroleum, Synthesis.

8610-69

COMPARISON OF FOUR EXTRACTION AND CLEANUP PROCEDURES FOR CHLORINATED PESTICIDE RESIDUES IN EGGS.

J R Wessel

Ass Offic Anal Chem J 52(1):172-175

Jan 1969 381 AS7

Chickens, Chlorinated hydrocarbons, Eggs, Extraction, Insecticide residues, Pesticide analysis.

8611-69

THE ELECTRICAL RESISTIVITY OF SUSPENSIONS OF MYCOBACTERIA. COMPARATIVE STUDY ON VARIOUS SPECIES. TAXONOMIC APPLICATIONS. (FR)

D Zivy F M Levy B Henon

Pathol Micro Biol 31(6):337-344 REF

1968 448.8 SCH9

Electrical resistance, Mycobacterium bovis, Mycobacterium tuberculosis, Taxonomy, Temperature. English summary.

ENGINEERING

8612-69

BROADCAST SPRAYING.

L E Stewart G W Gienger J V Parochetti R M Coan

Md Univ Ext Bull 229:13P

Jan 1969 275.29 M36B

Agricultural engineering, Chemical control (pests), Formulations, Pesticide application, Spraying, Spraying equipment.

INDUSTRY

8613-69

SHELL'S VERSATILE PRODUCTS ALDRITE 4, DIELDRITE 1.5 VAPONITE 2 FORMULATED FOR ALL P.C.O. BUSINESS.

Anonymous

Pest Contr Oper News 27(10-11,OCT-NOV):20-21

1967 SB951.A1P4

Aldrin, Chemical control (insects), Chemicals, Chlorinated hydrocarbons, Dichlorvos, Dieldrin, Insecticides, Organophosphorus compounds, Pest control operators, Production economics, Sales.

8614-69

THE GOLD CREST PEST CONTROL PROGRAM FOR THE PEST CONTROL INDUSTRY.

Anonymous

Pest Contr Oper News 27(10-11,OCT-NOV):5-7

1967 SB951.A1P4

Advertising, Chemical control (pests), Chemicals, Industry, Marketing research, Pest control, Pesticides, Termites.

EDUCATION

8615-69

THE CONTROL OF TECHNOLOGY. SO-LANDT, O.M.

Science 165(3892):445

01 Aug 1969 470 SCI2

Agricultural legislation, Agricultural policies, DDT, Environment, Pesticide residues, Pesticide safety.

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- symposium...American Chemical Society, Atlantic City, N.J., Sept. 13-15, 1965. Robert J. Gould, ed. 8576

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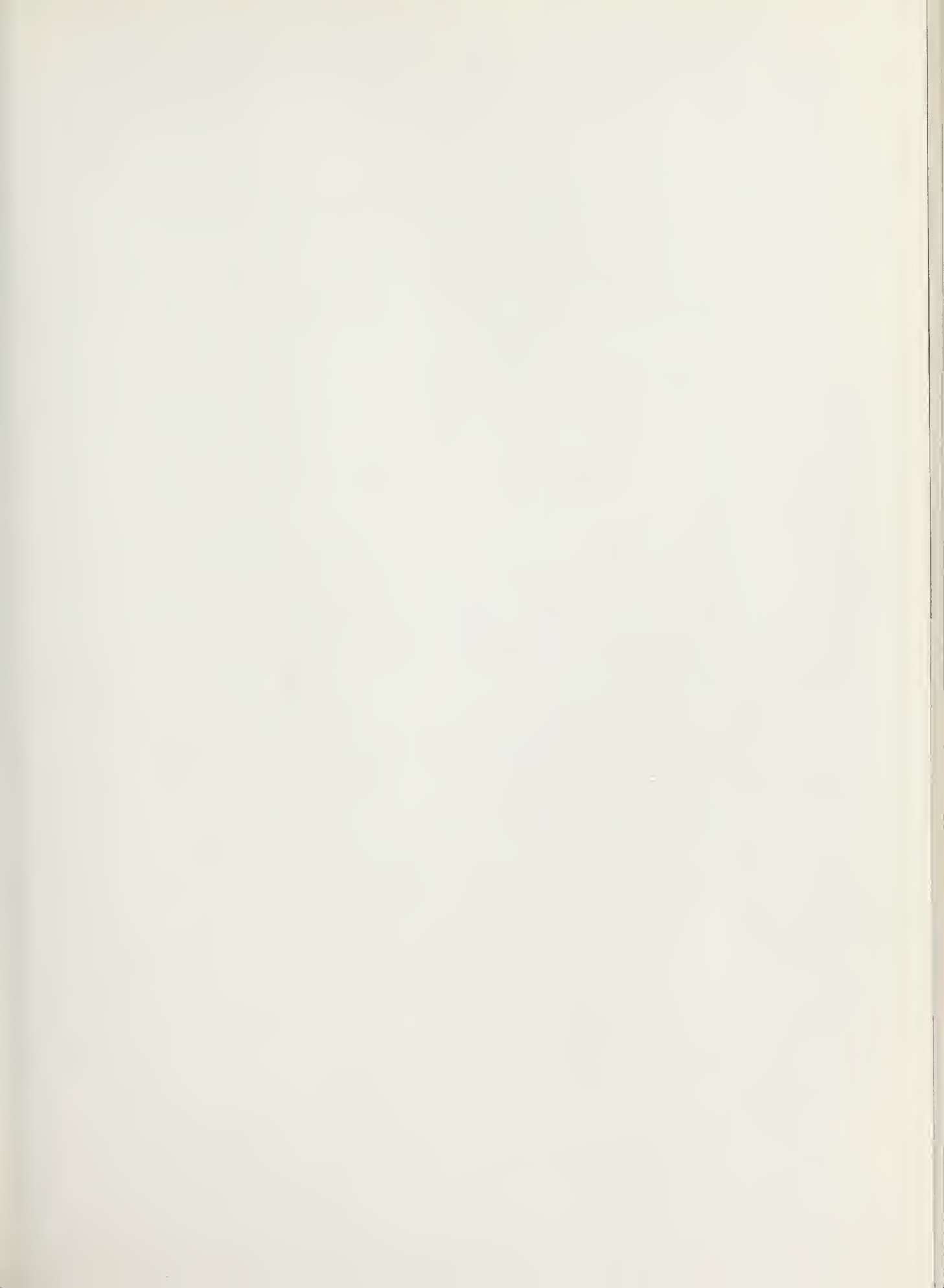
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